

FIG. 1

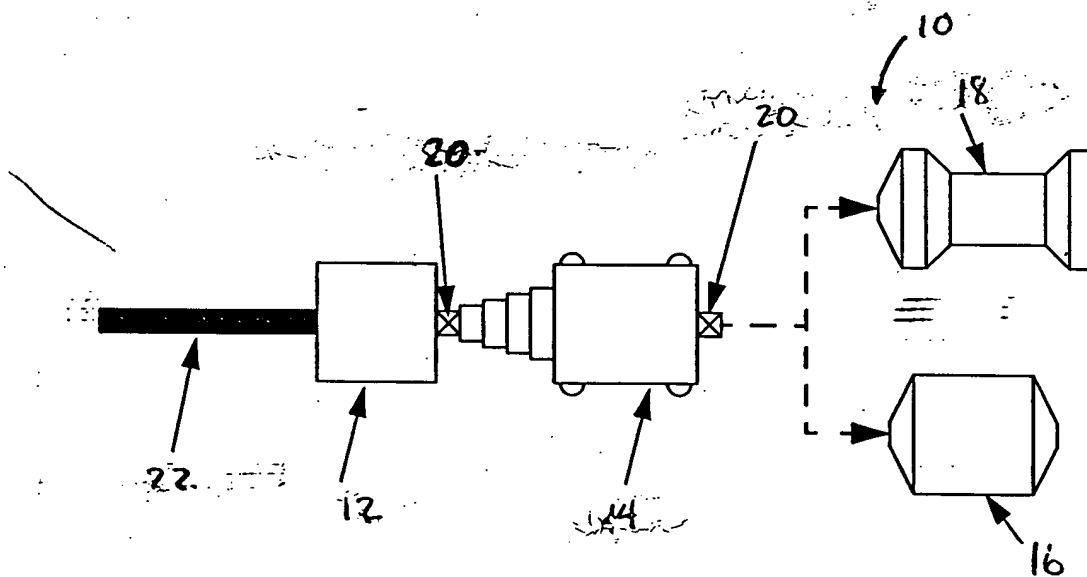


FIG. 2A

00447391-044400

•

FIG. 2C

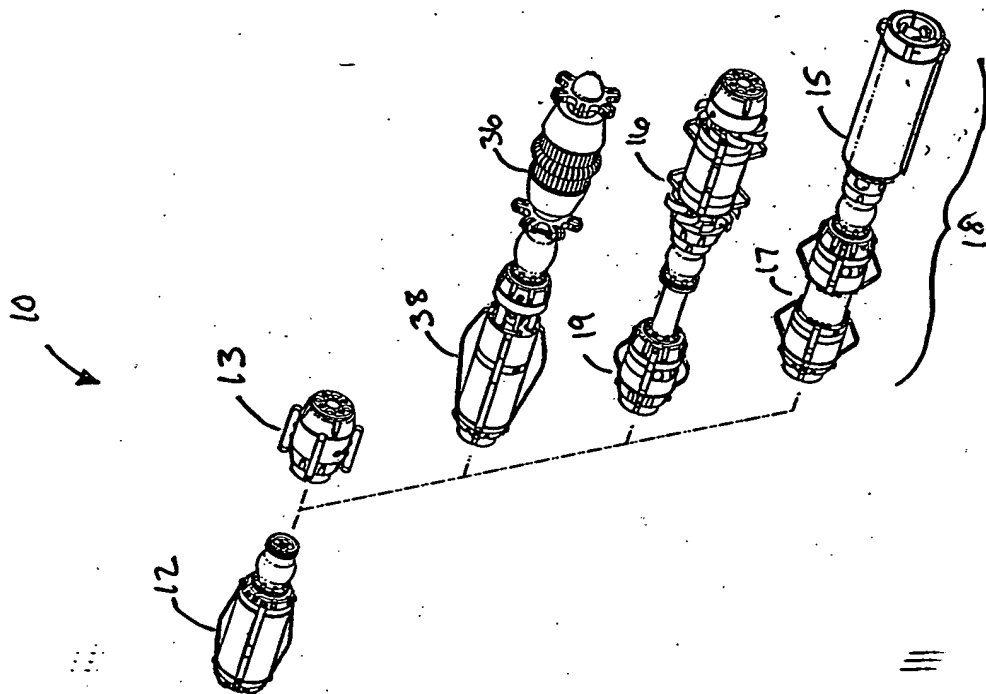
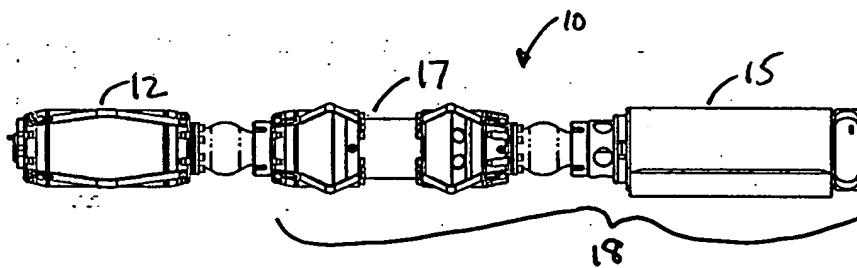
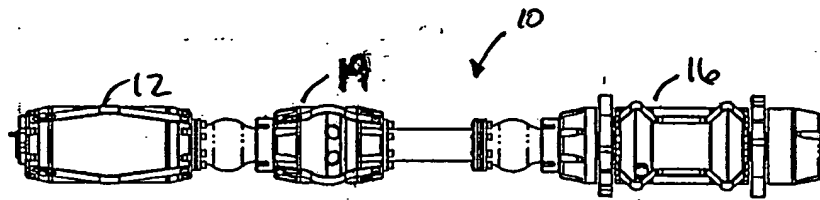
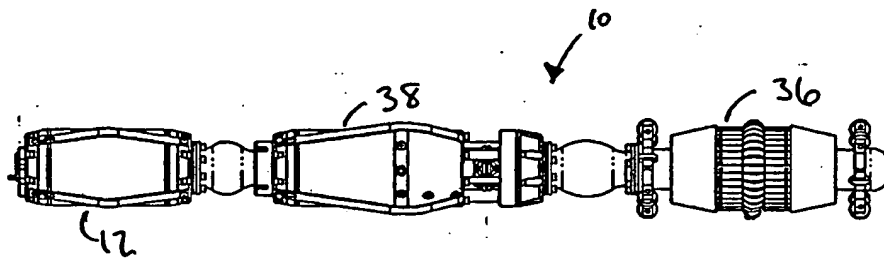
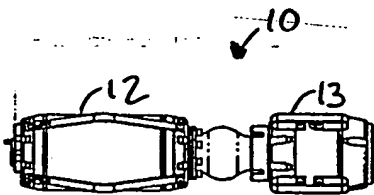


FIG. 2C



CONFIDENTIAL

### Single Train Task Flow

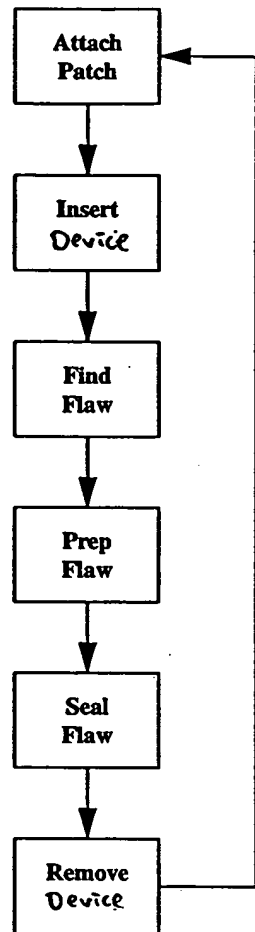


FIG. 3

### Module Interchange Task Flow

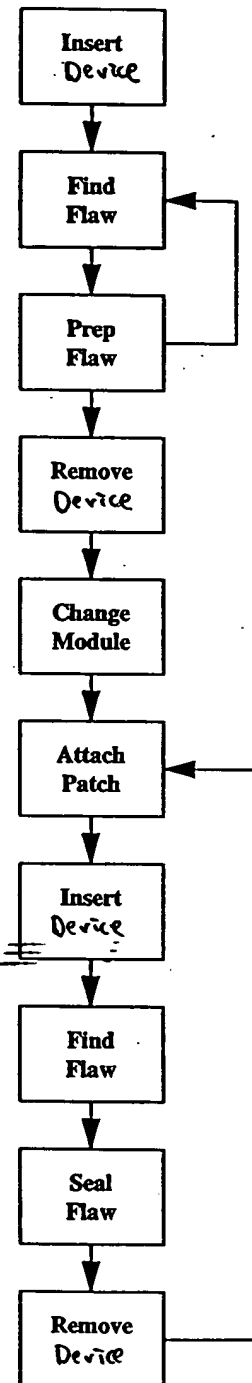


FIG. 4

24

COILED-TUBING UNIT

26

USER INTERFACE

28

COILED-TUBING UNIT

LIVE PIPE-ACCESS SYSTEM

32

COILED-TUBING PIPING

34

MODULAR INTERFACE CONNECTOR

VIDEO INSPECT

TOOLING

MODULES

LOCATE FLAW & REPAIR

BRUSH

MFL

FIG. 5

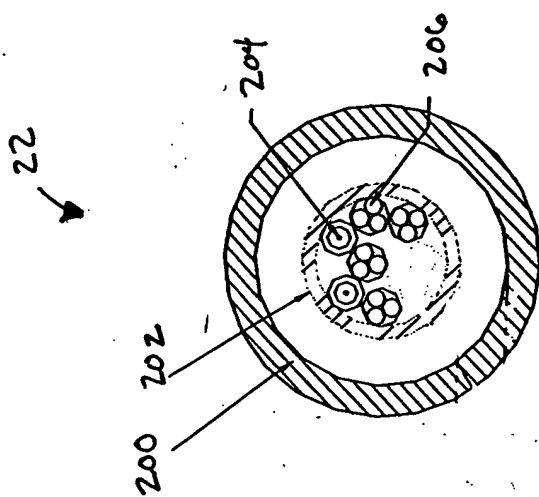


FIG. 5A

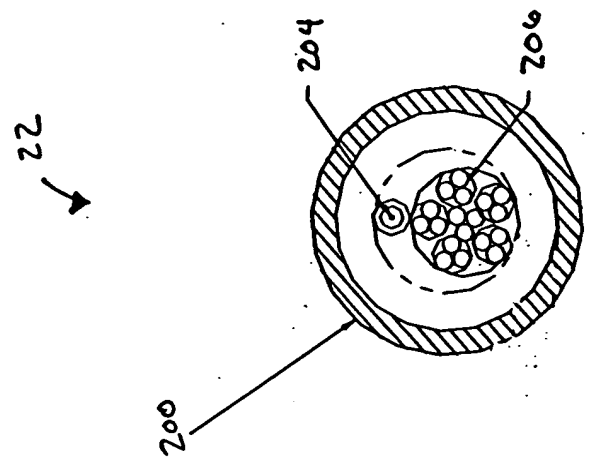


FIG. 5B

FIG. 30

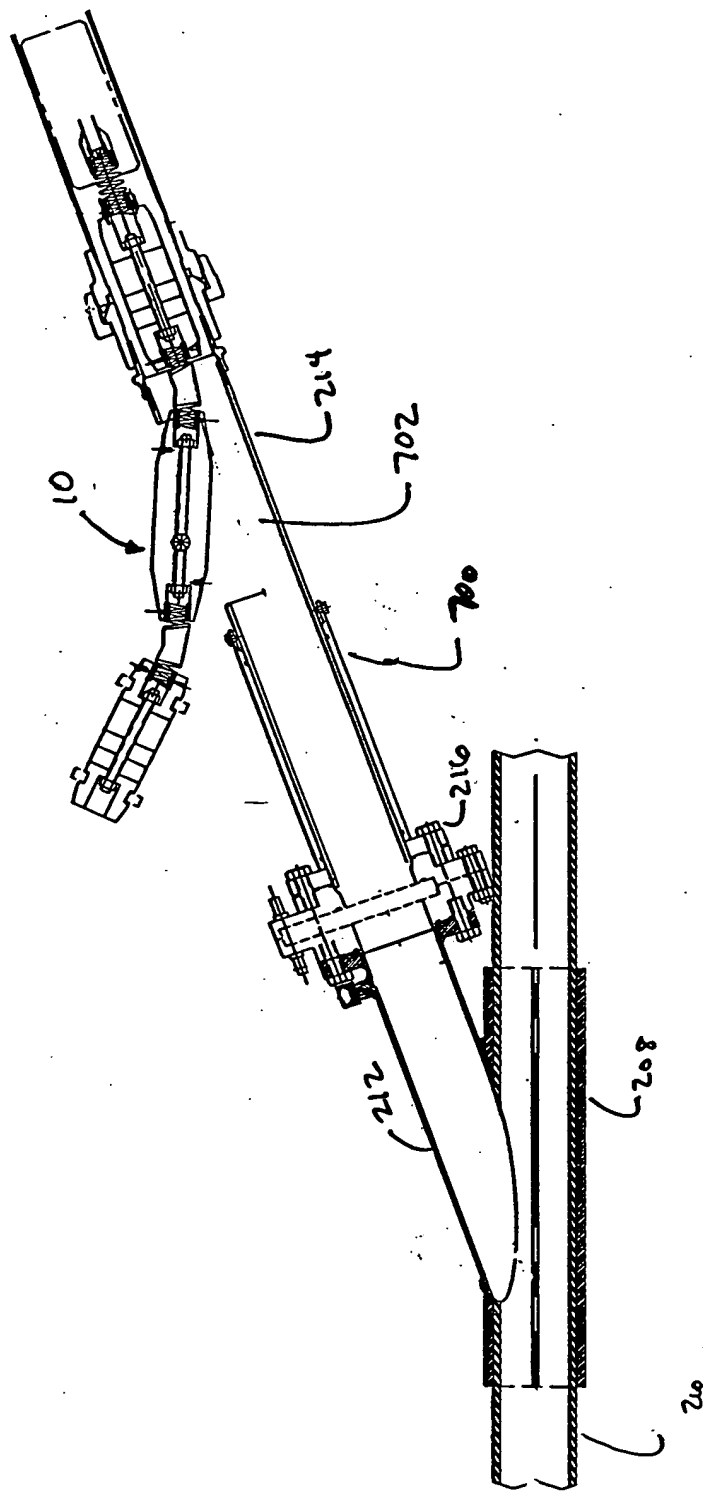


FIG. 5C



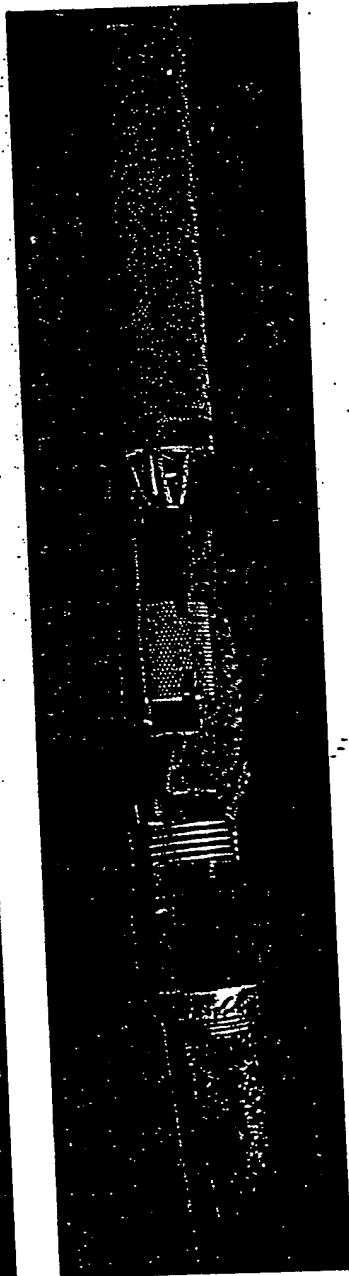
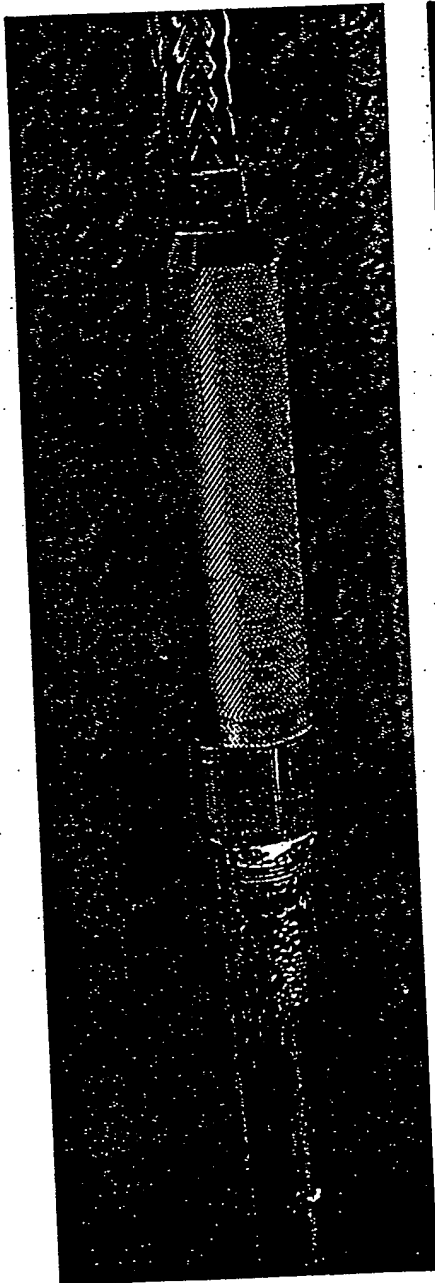
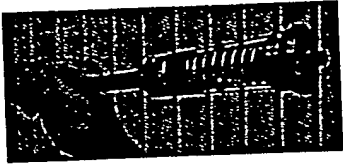


FIG. 5D

00547294-0041100

FIG. 5E

218

216

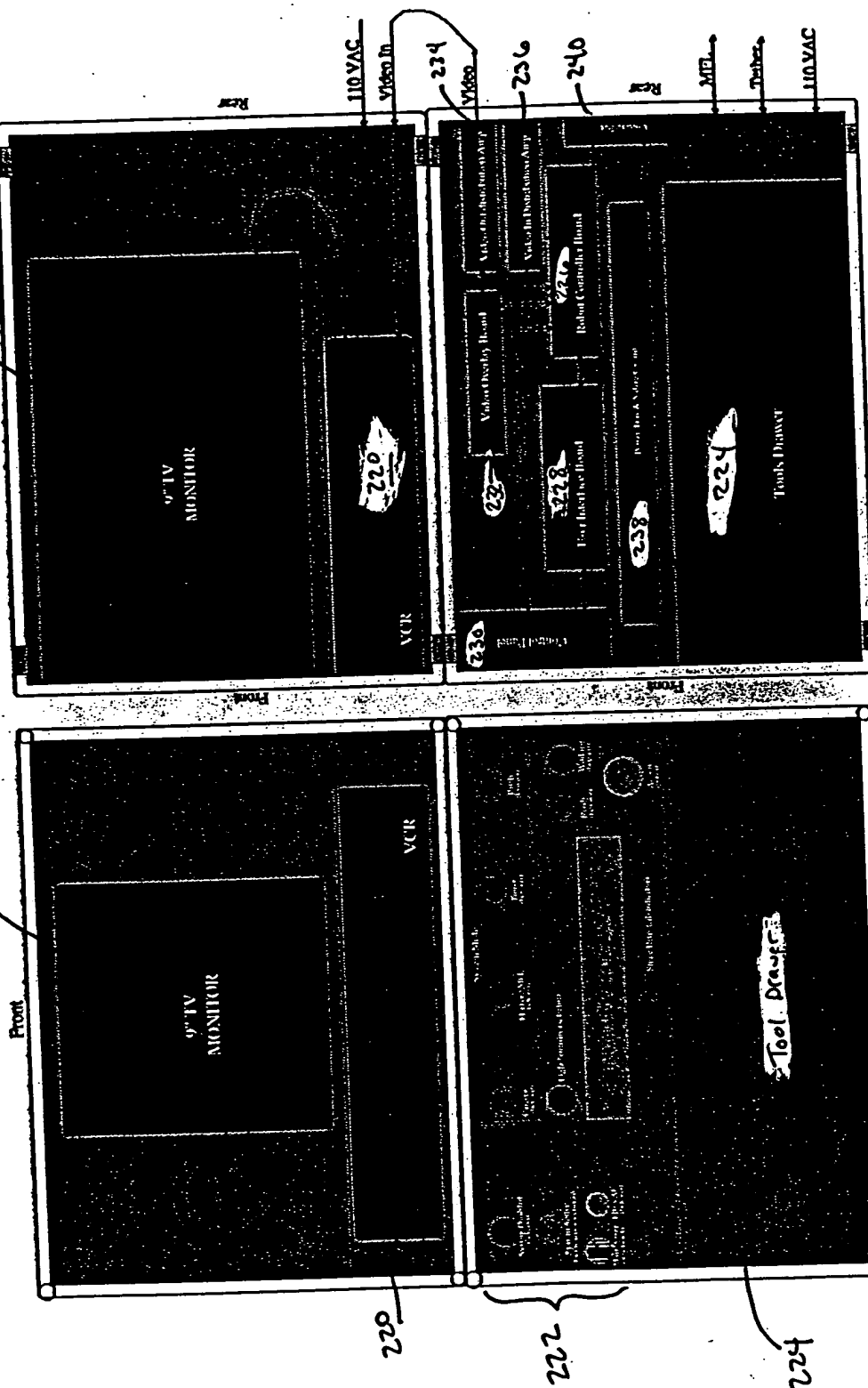


FIG. 5F

FIG. 5E

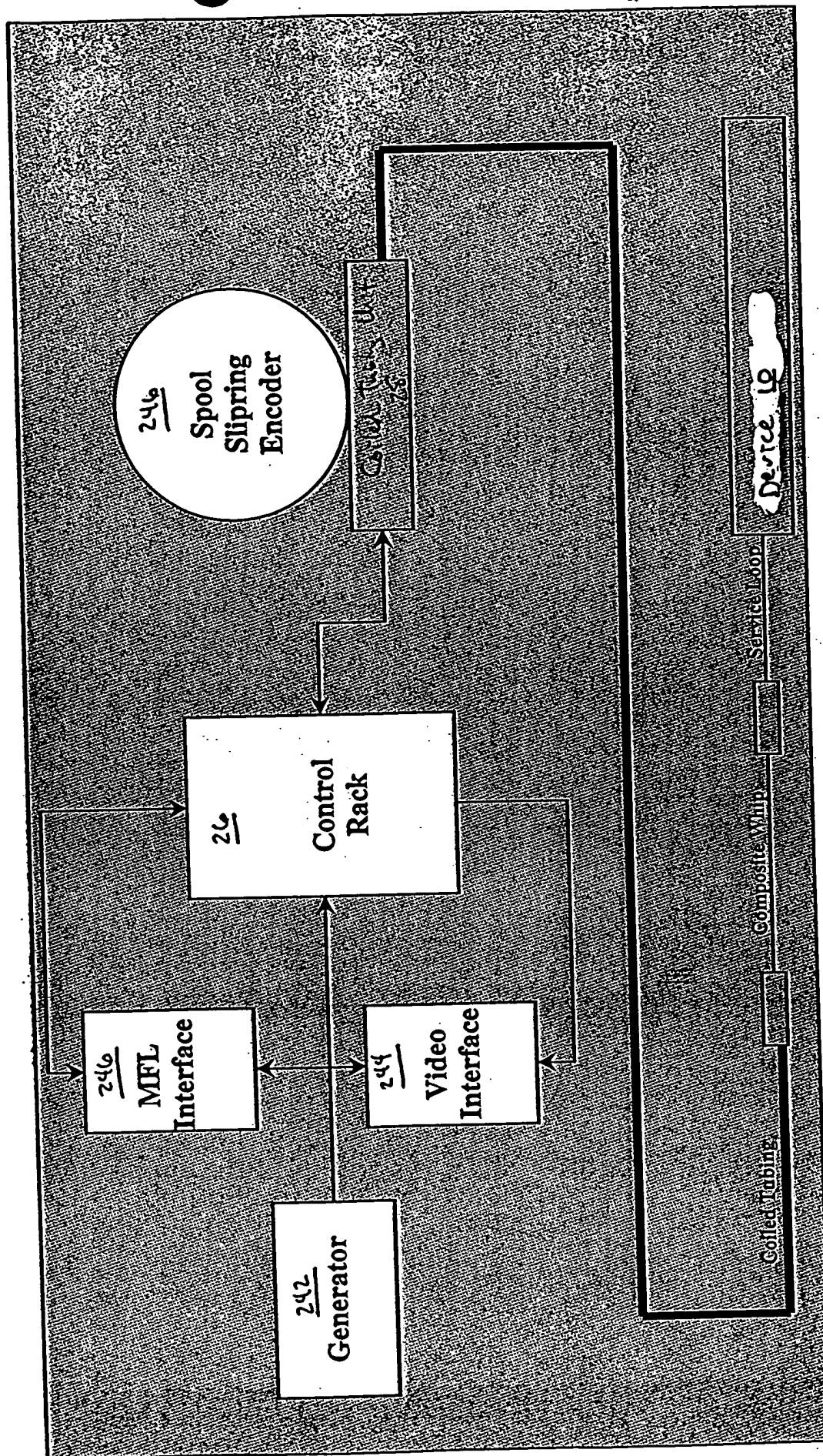


FIG. 56

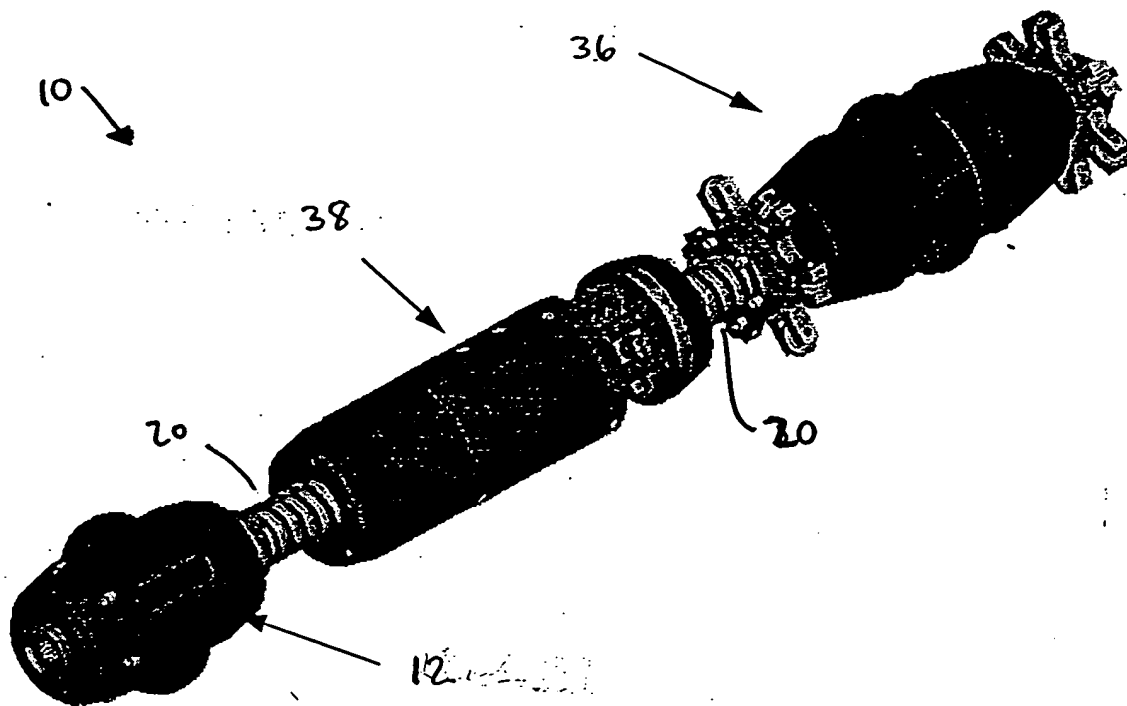


FIG. 6

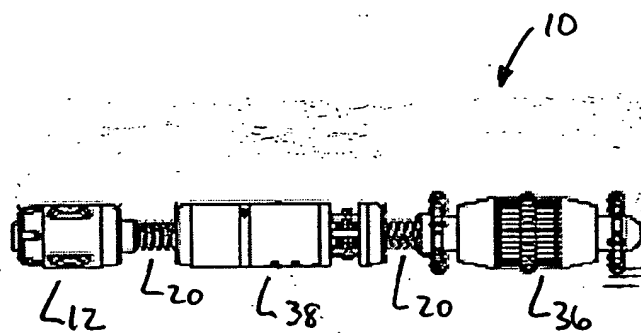


FIG. 7

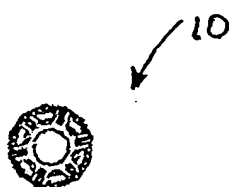


FIG. 8

OFFICE T 3224500

000000-18224560

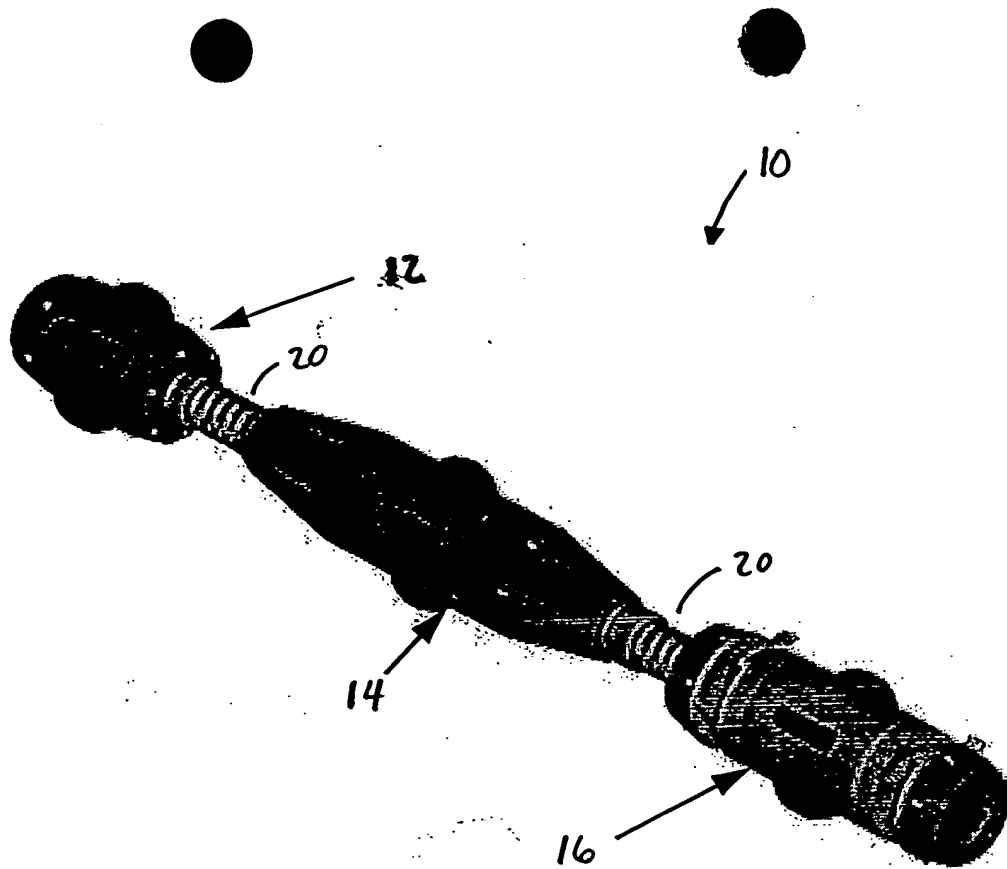


FIG. 9

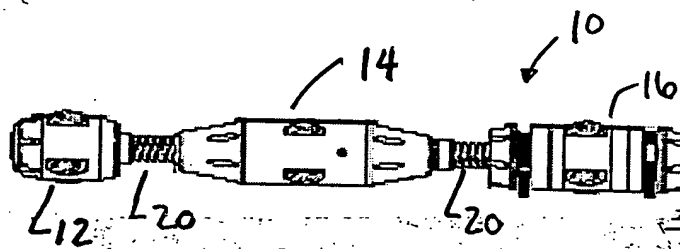
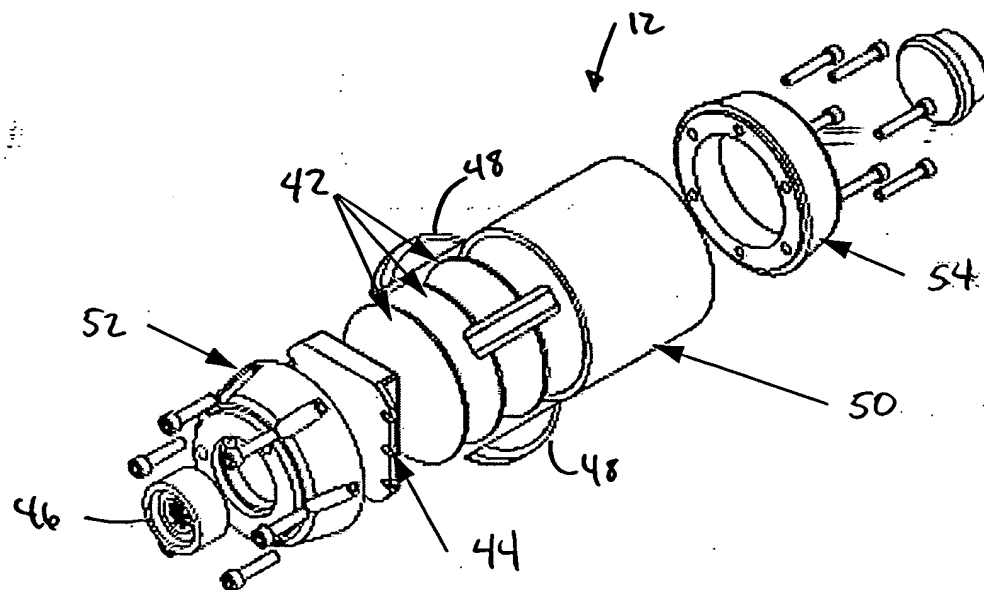
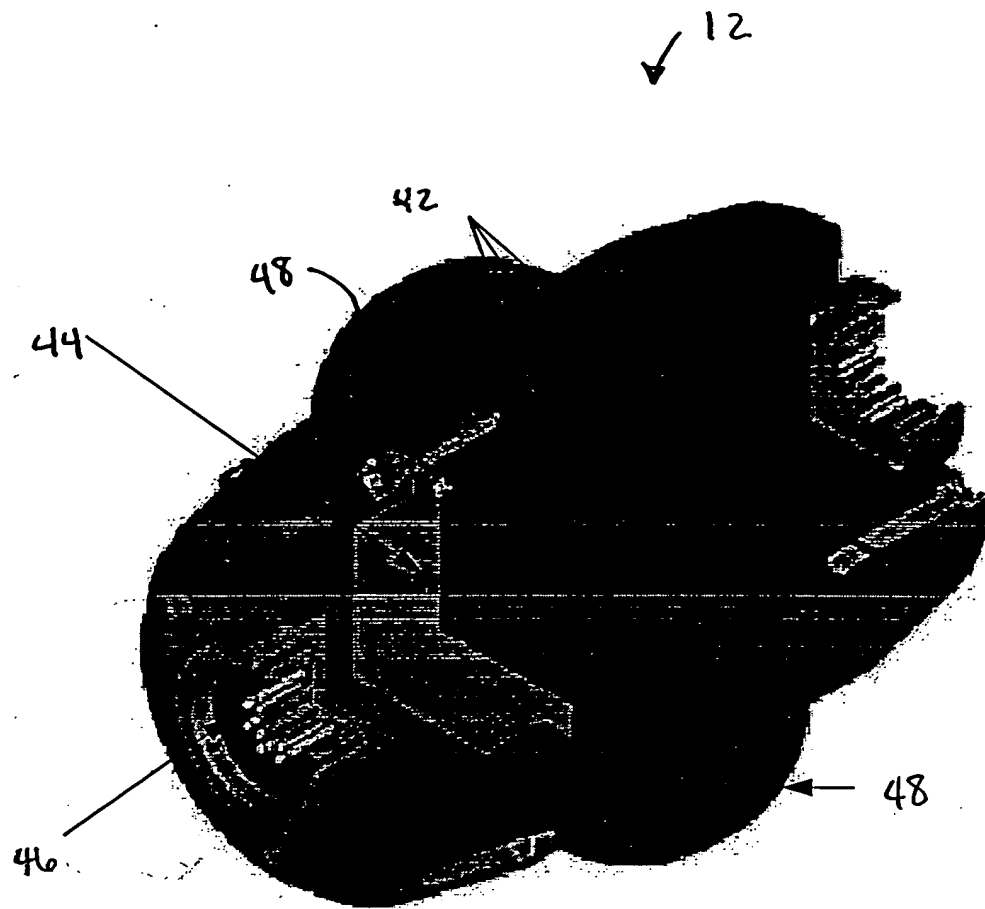


FIG. 10



FIG. 11



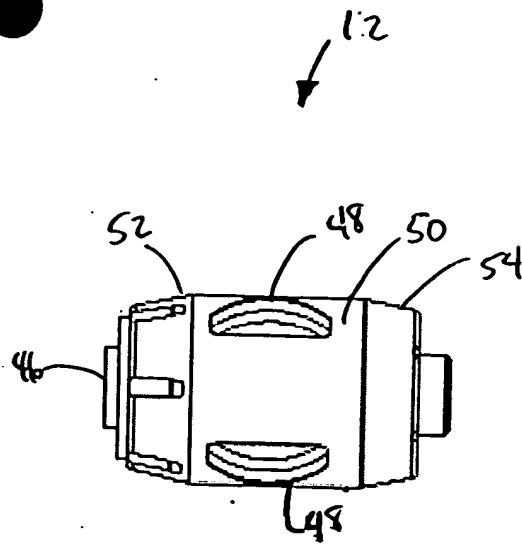


FIG. 14

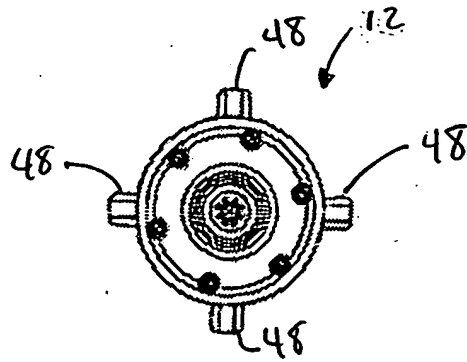
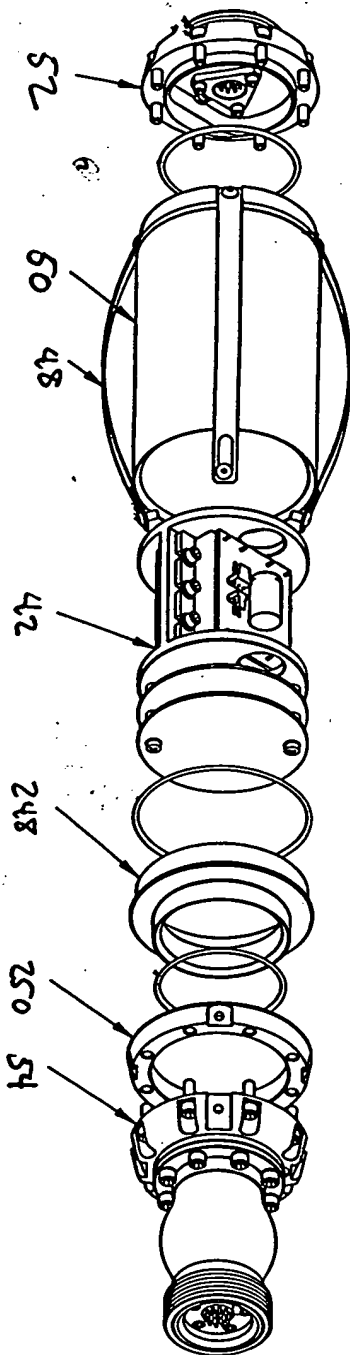


FIG. 15

00000-13224560

04647291 04400

FIG. 15A





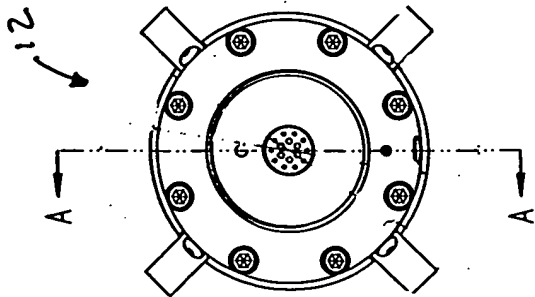


FIG. 15C

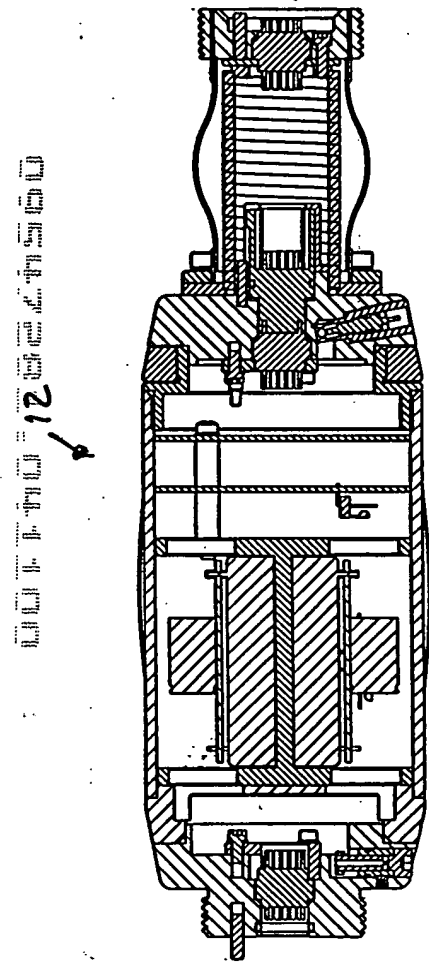


FIG. 15B

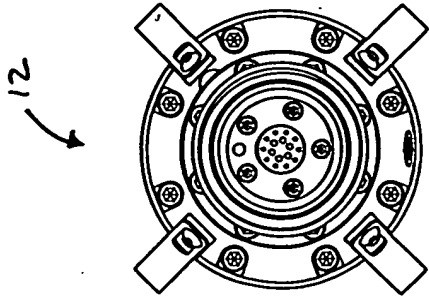


FIG. 15D

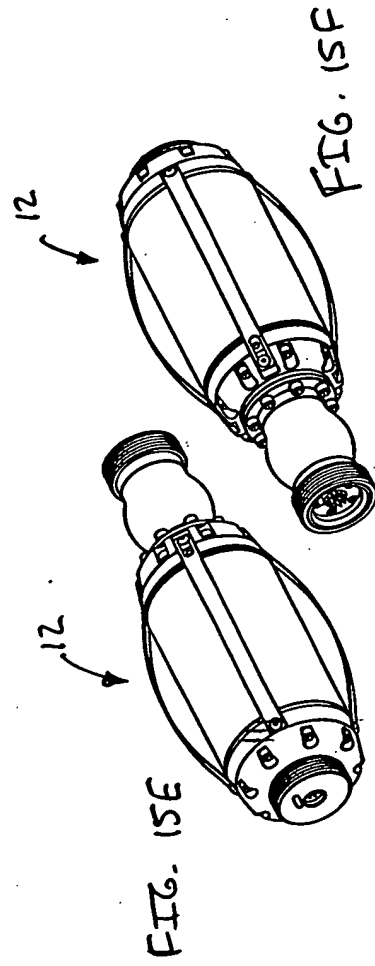
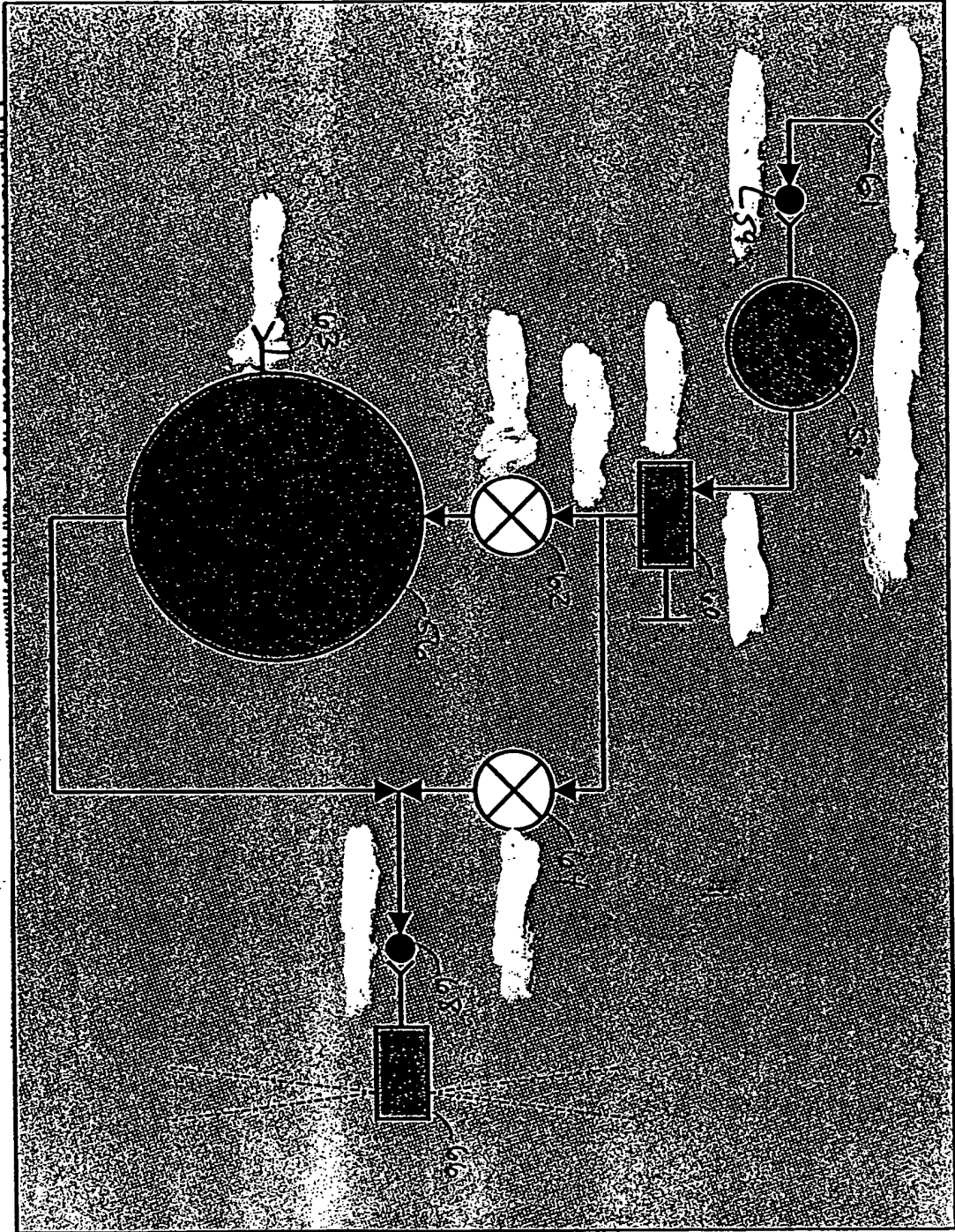


FIG. 15E

FIG. 15F

FIGURE 10



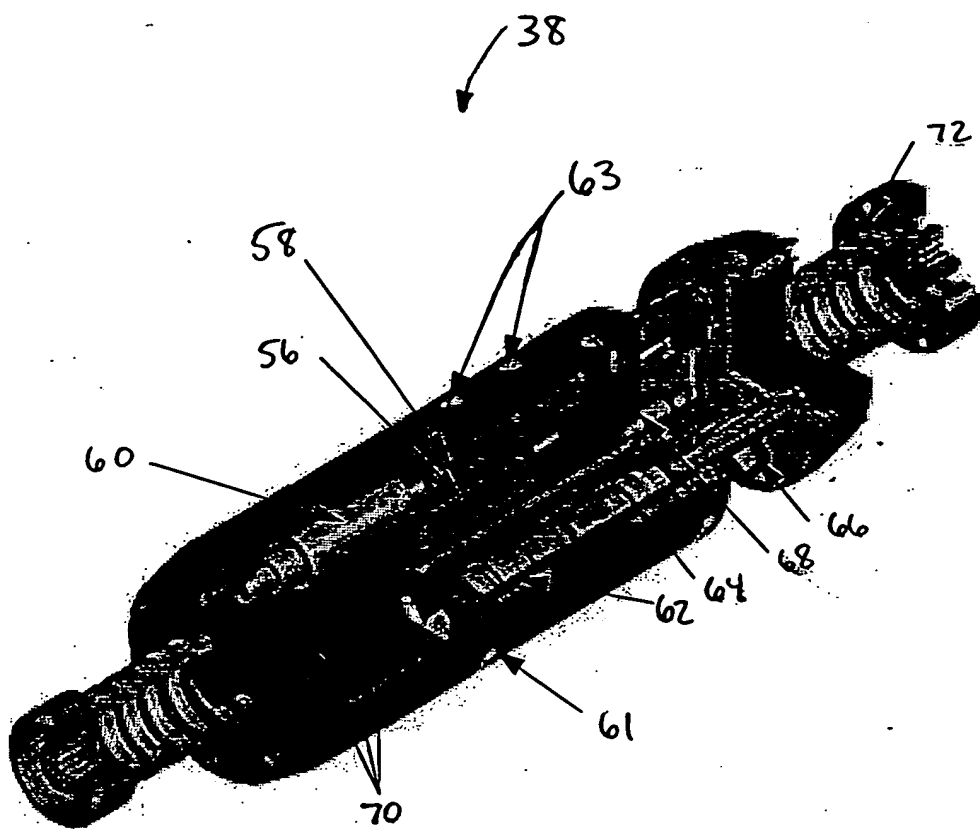


FIG. 17

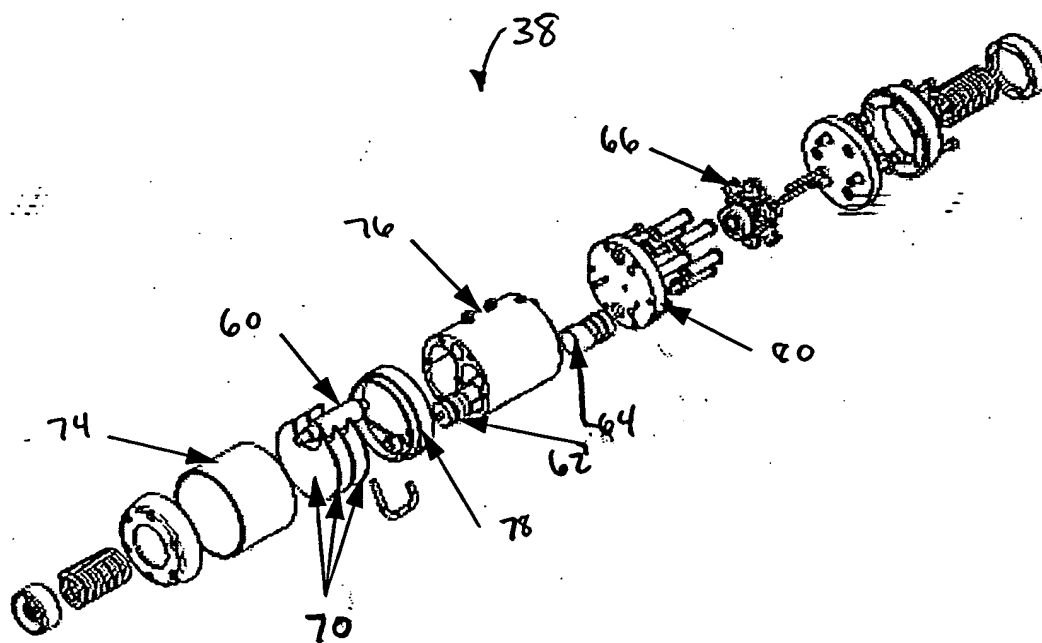


FIG. 18

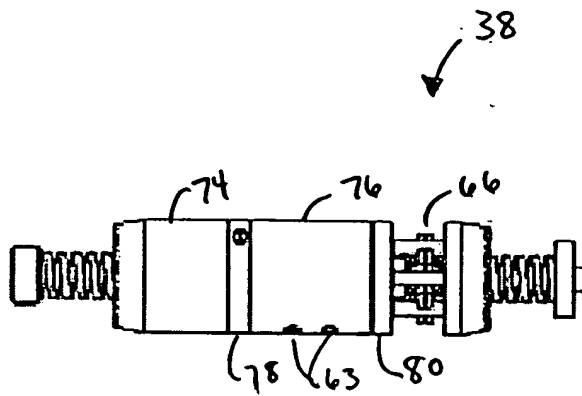


FIG. 19

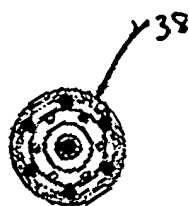


FIG. 20

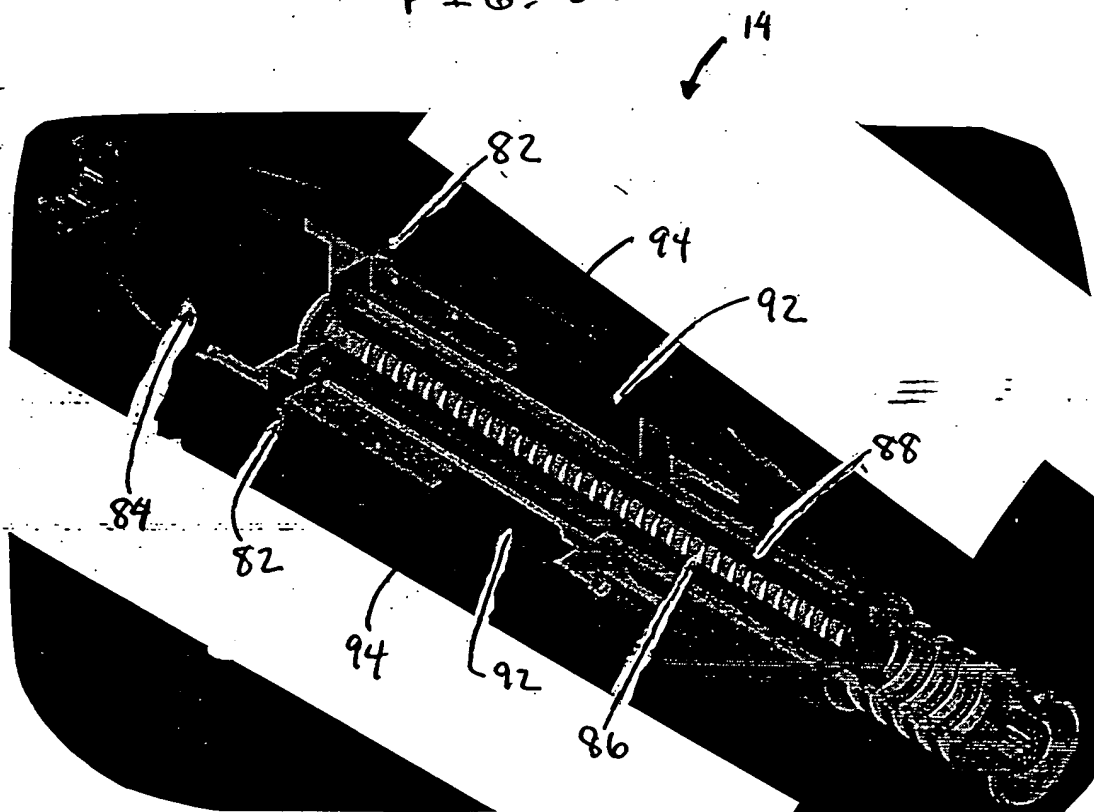


FIG. 21

FIG. 20A

38

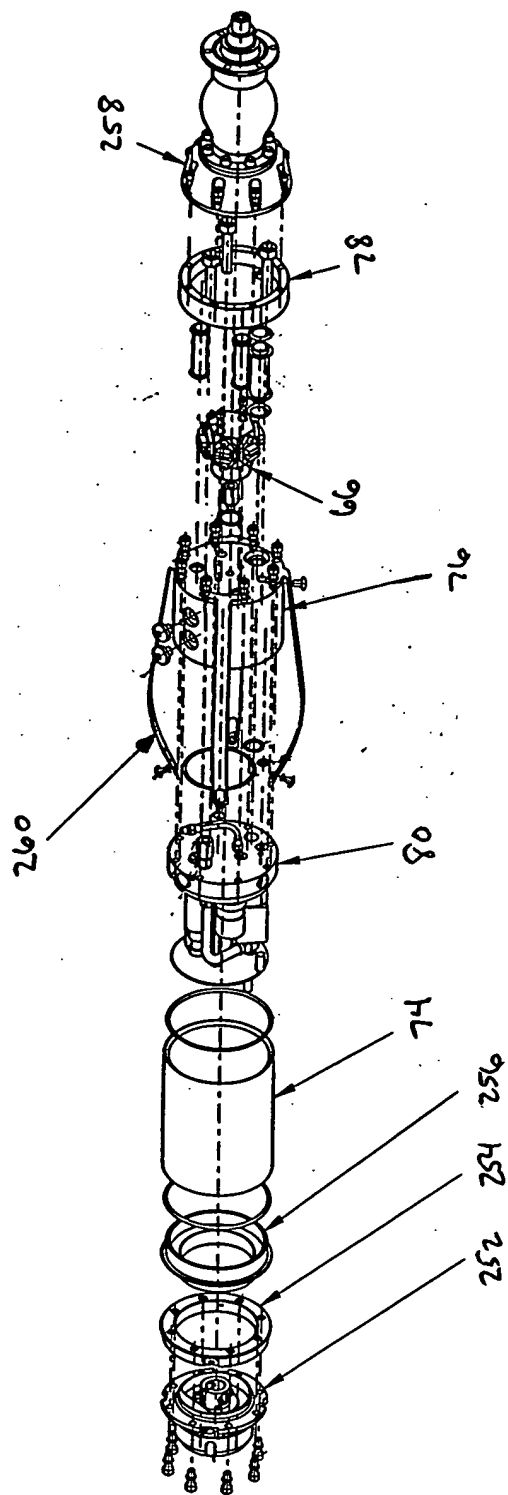


FIG. 20A

U.S. Pat. No. 4,170,000

FIG. 20C

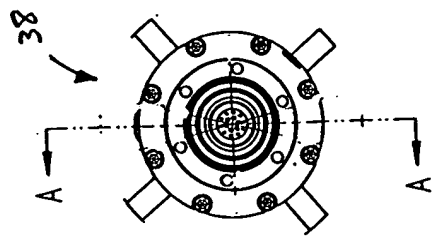


FIG. 20B

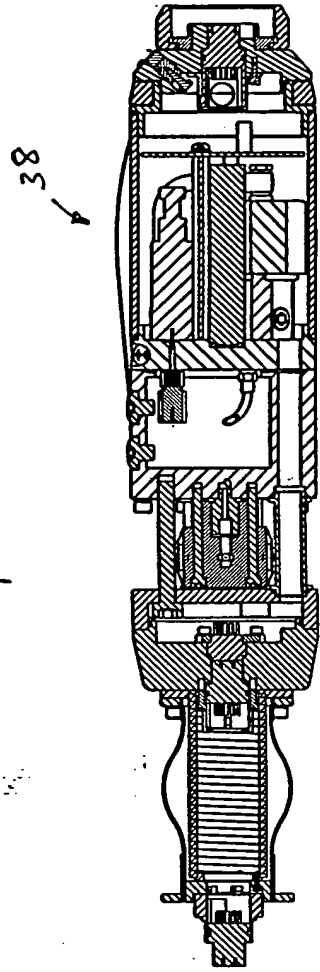


FIG. 20D

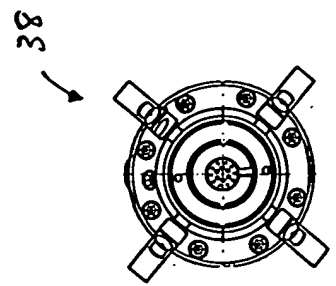


FIG. 20E

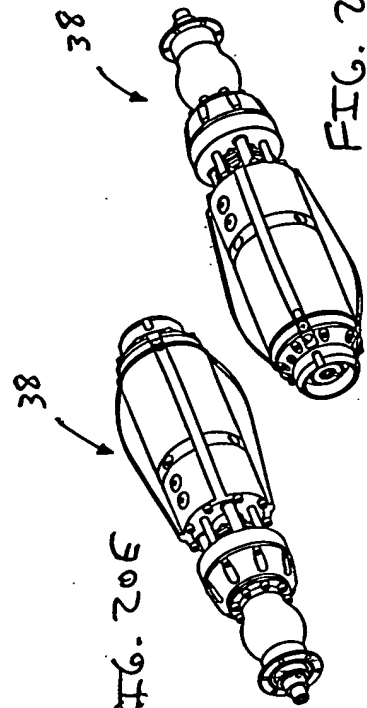
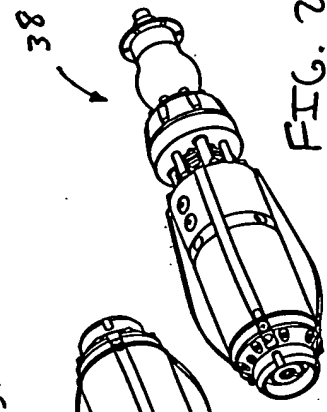


FIG. 20F



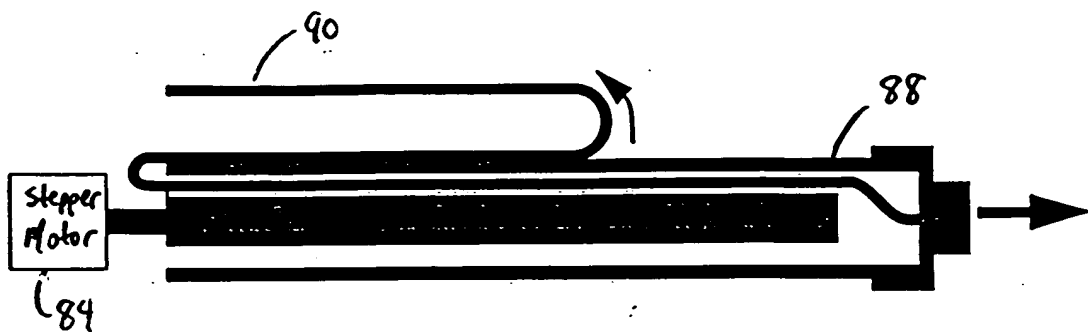


FIG. 22

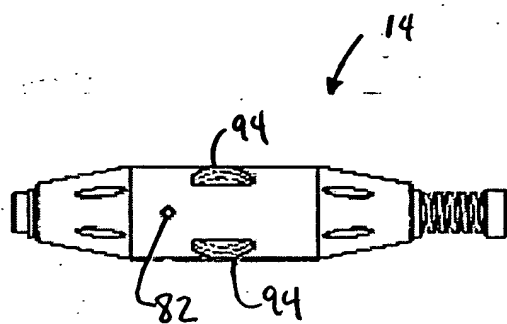


FIG. 23

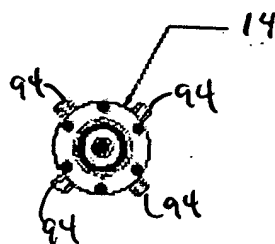


FIG. 24

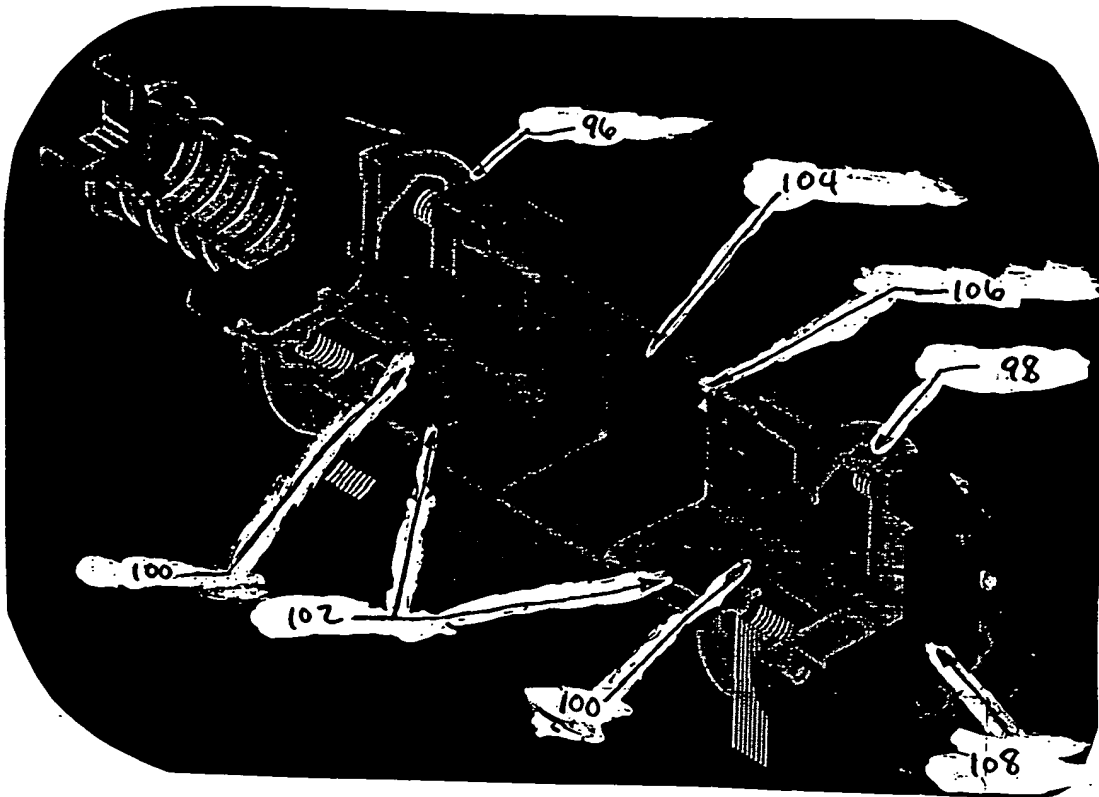


FIG. 25

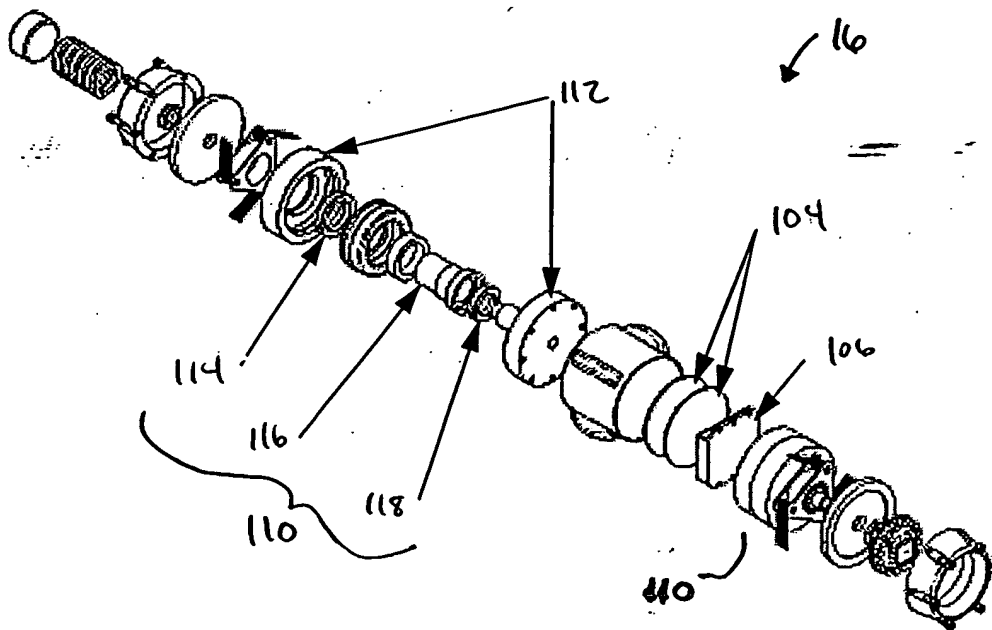


FIG. 26





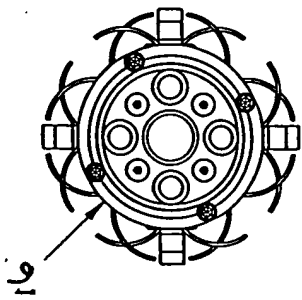


FIG. 28D

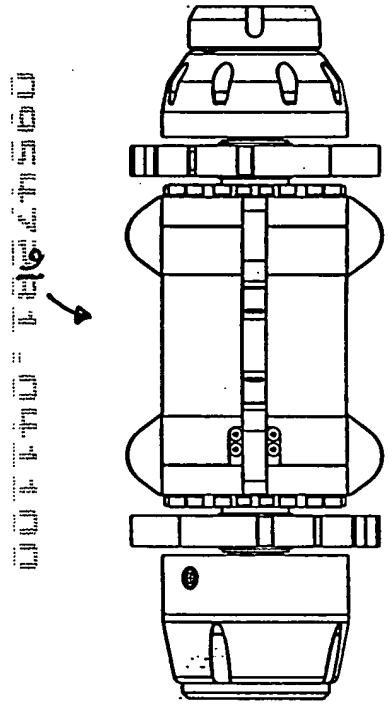


FIG. 28B

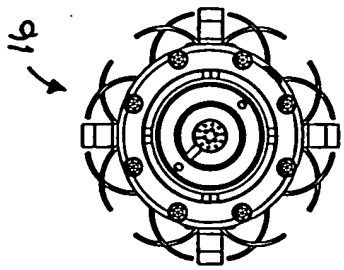


FIG. 28E

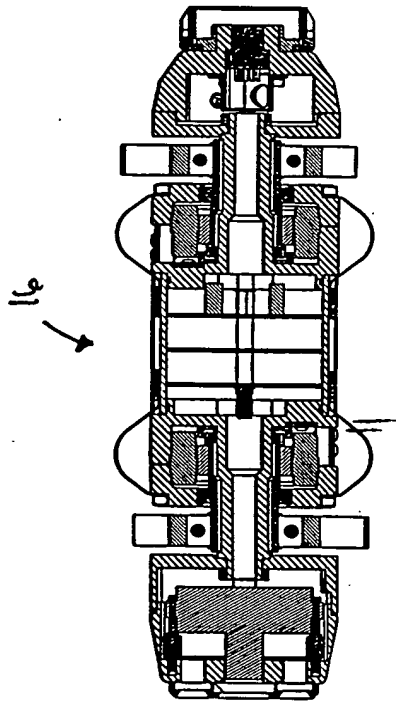


FIG. 28C

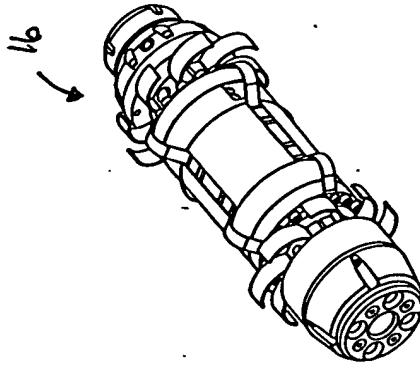


FIG. 28F

FIG. 28G

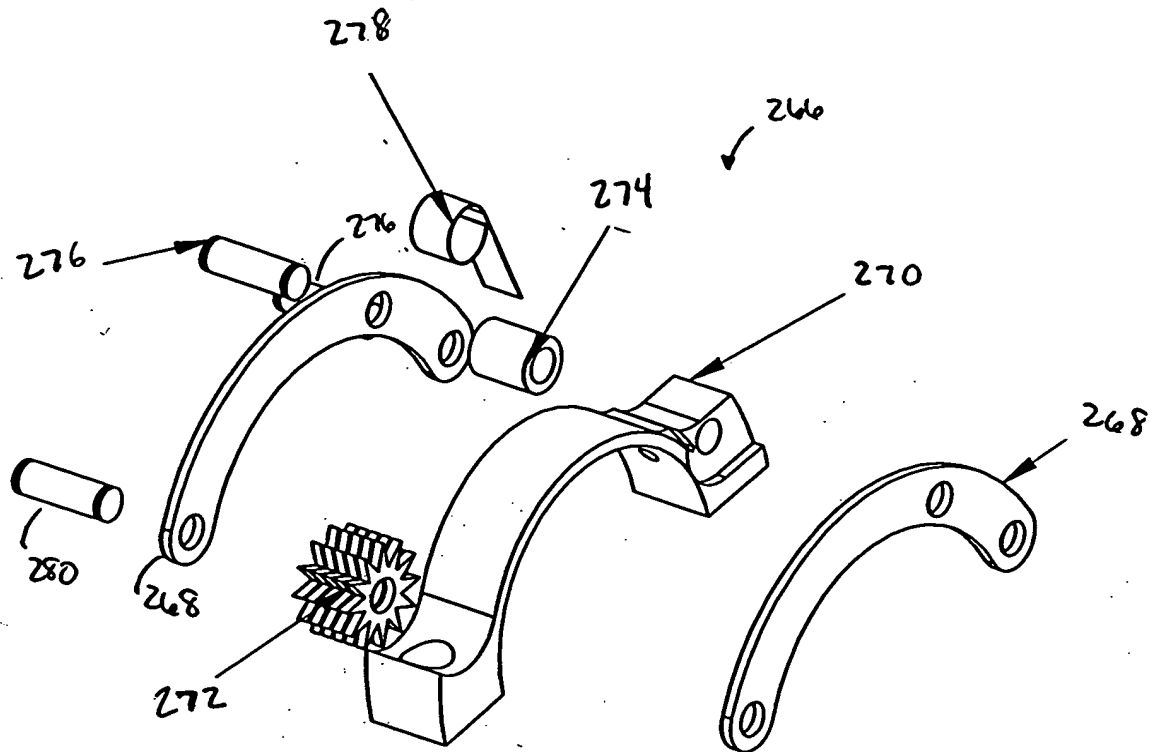


FIG. 28G

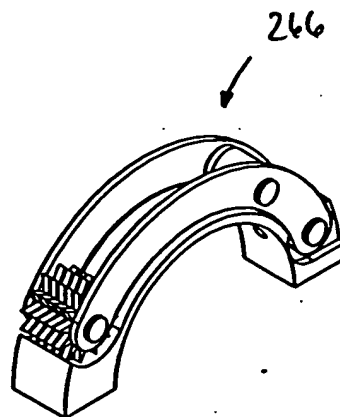


FIG. 28I

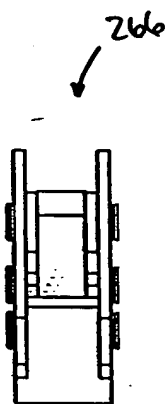


FIG. 28J

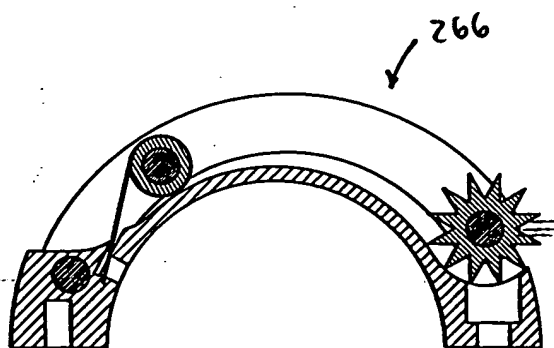


FIG. 28H

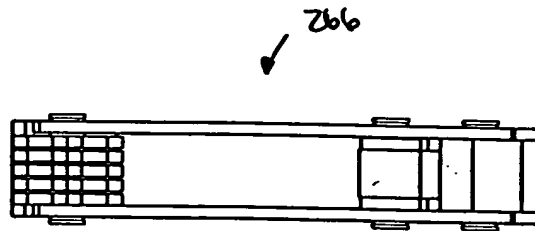


FIG. 28L

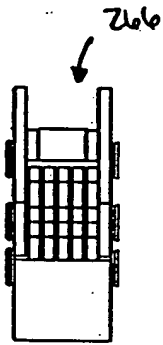


FIG. 28K

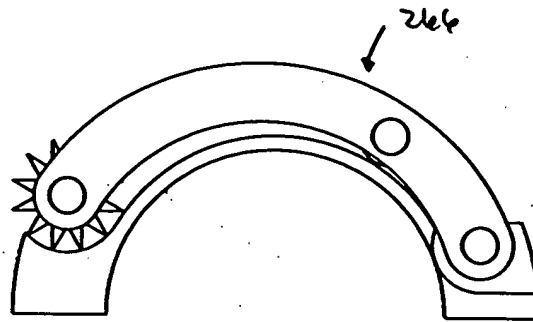
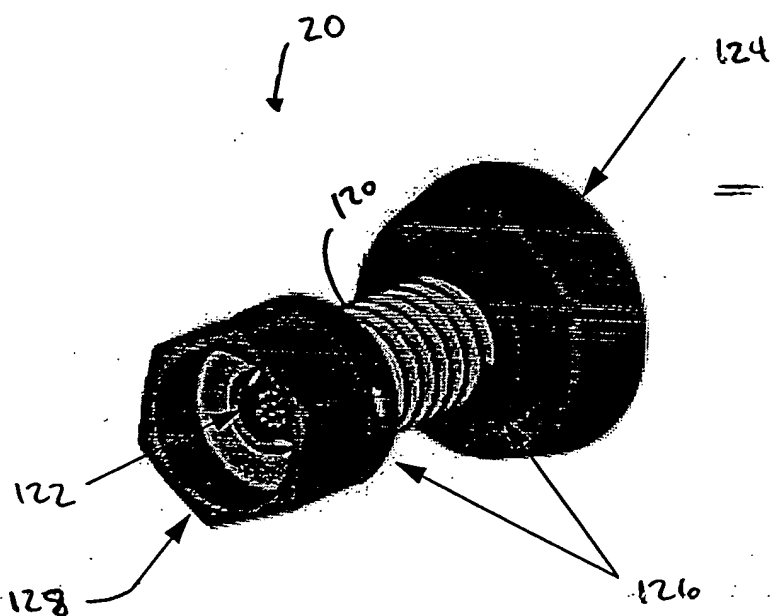
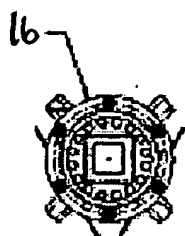
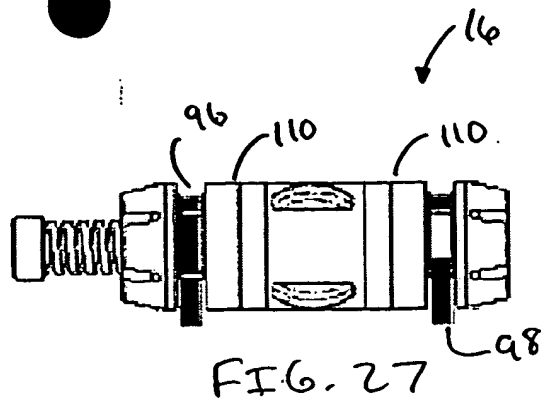


FIG. 28M



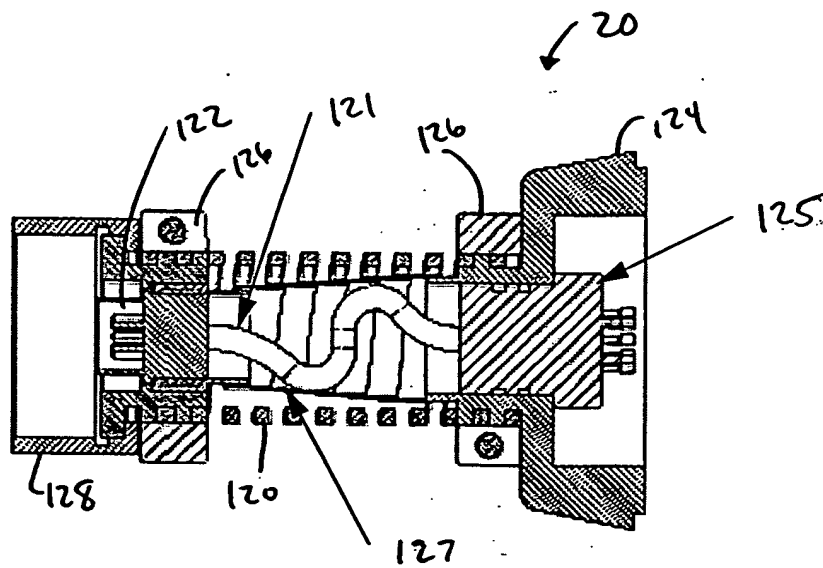


FIG. 30

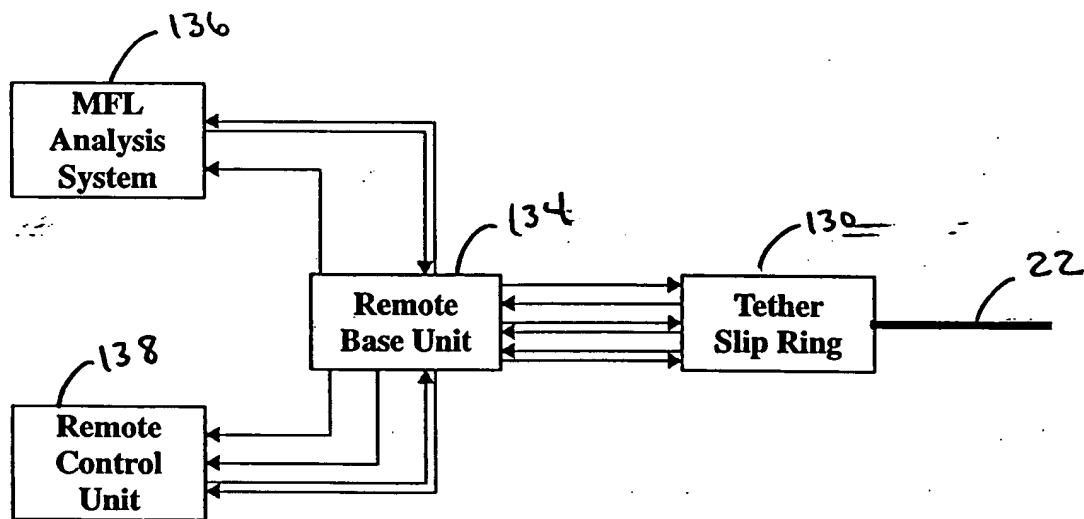


FIG. 31

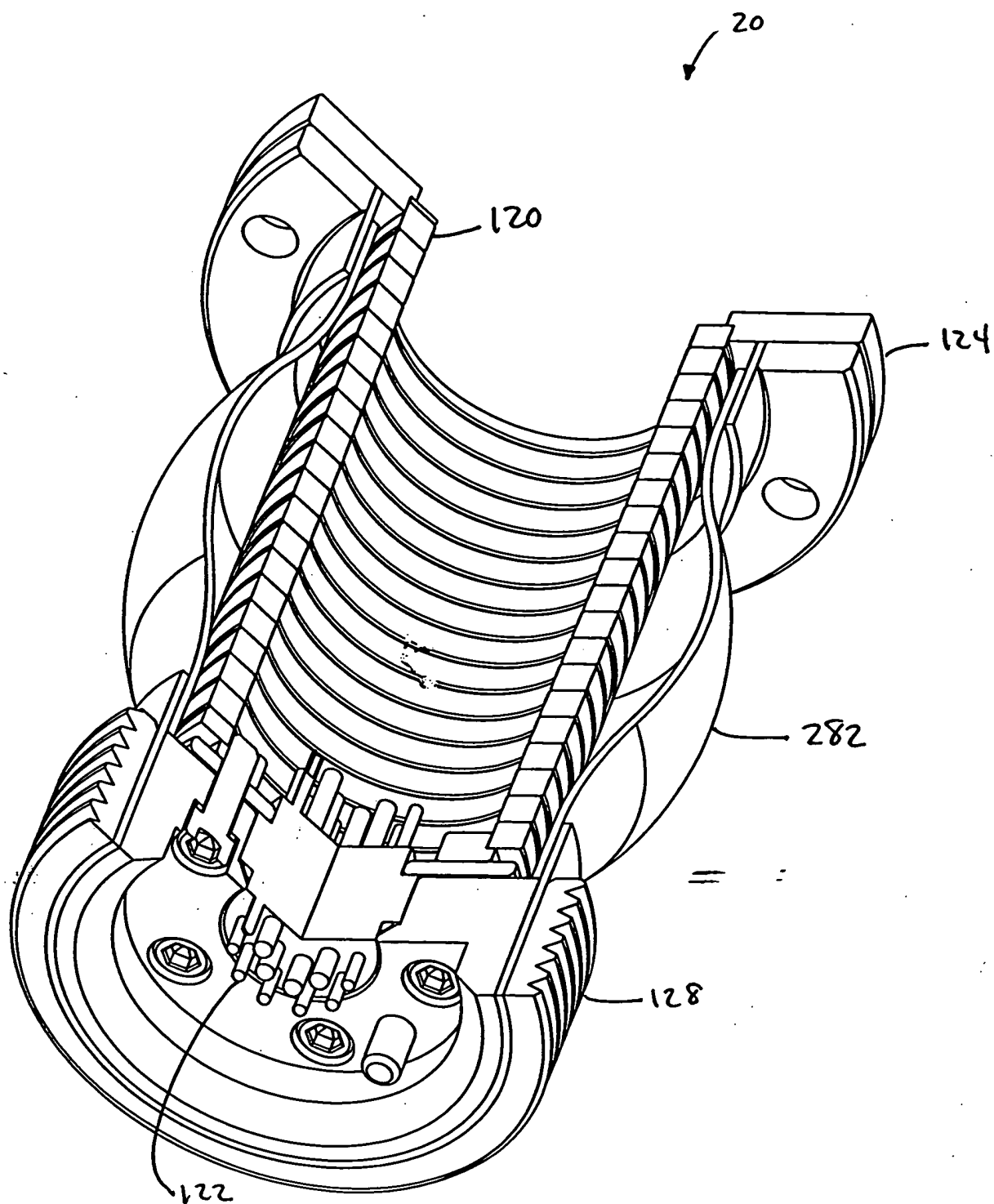
[illegible]

FIG. 30A



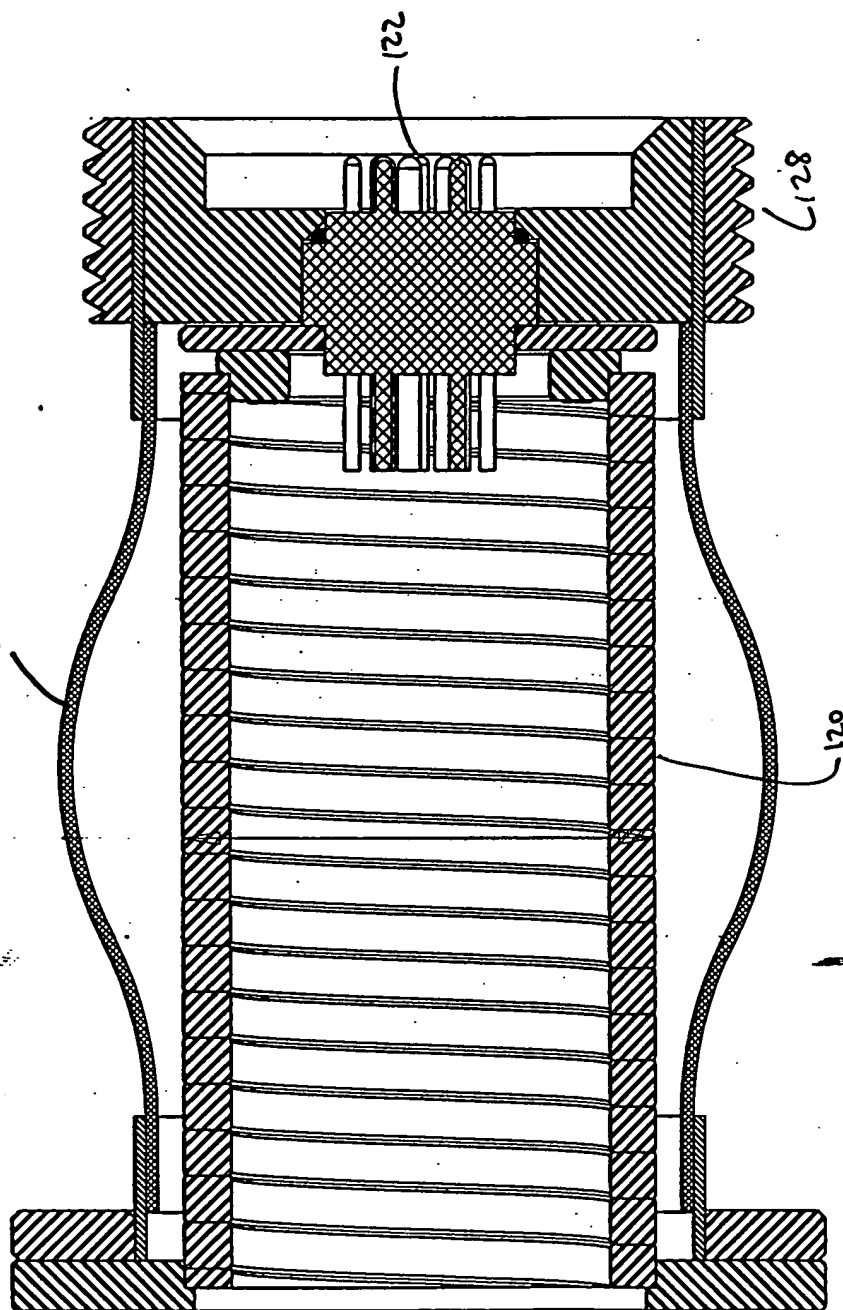


FIG. 30B

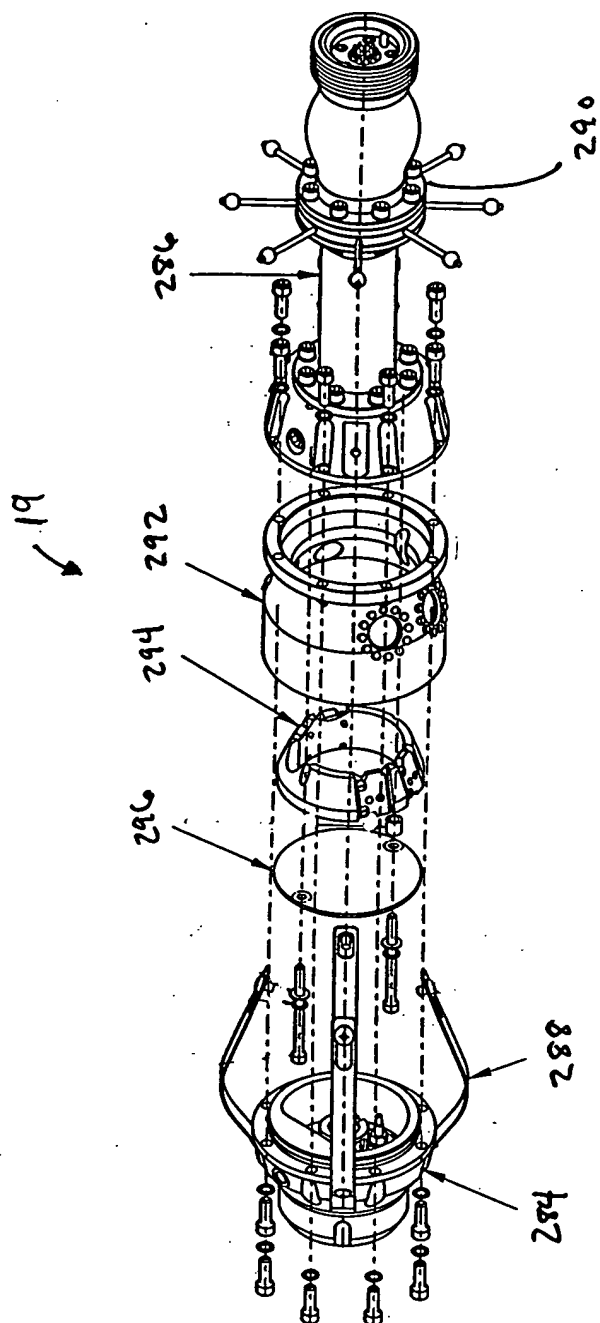


FIG. 30C

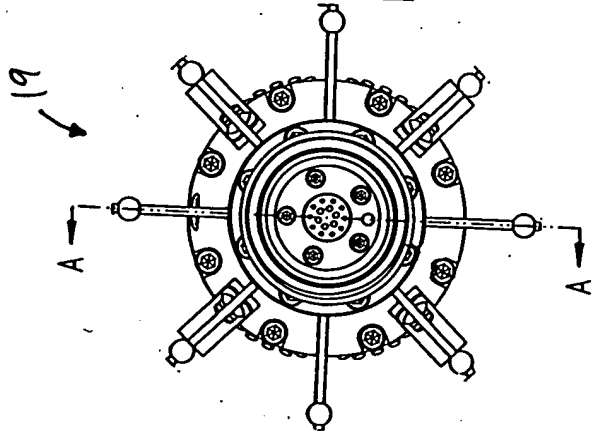


FIG. 30E

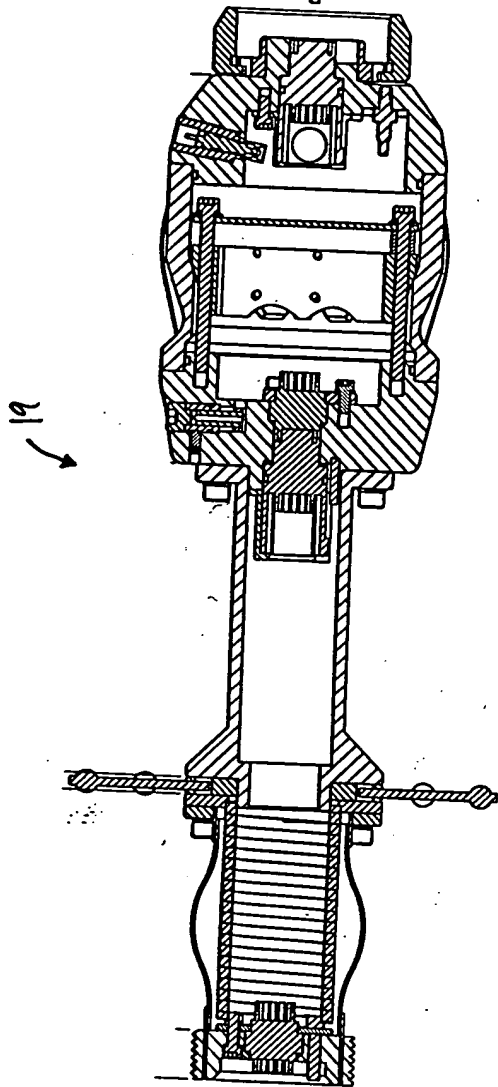


FIG. 30D

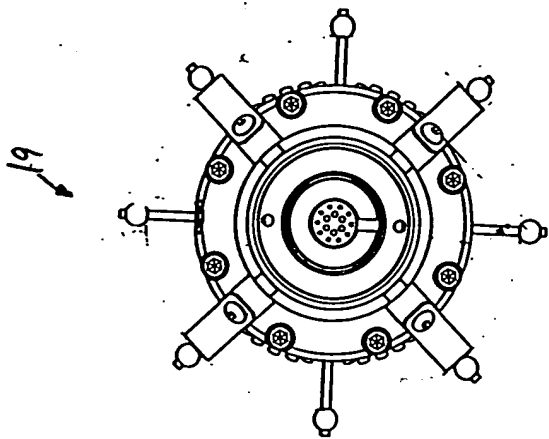


FIG. 30F

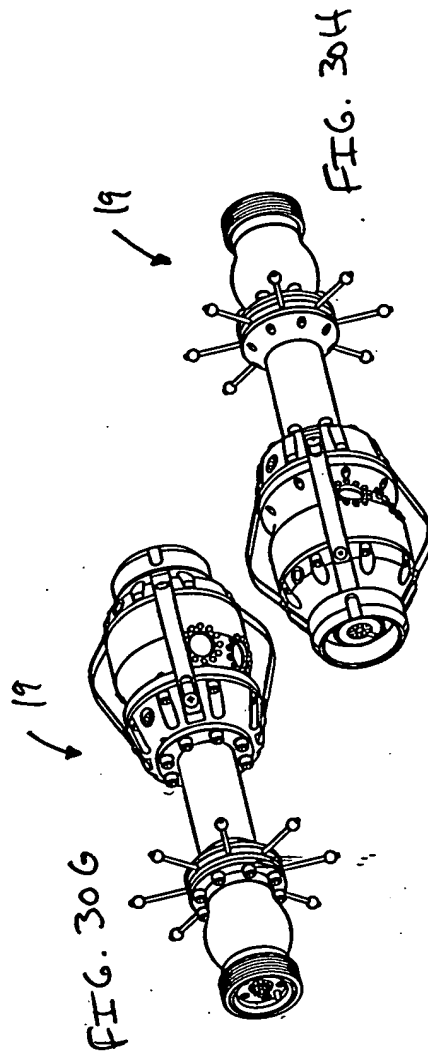
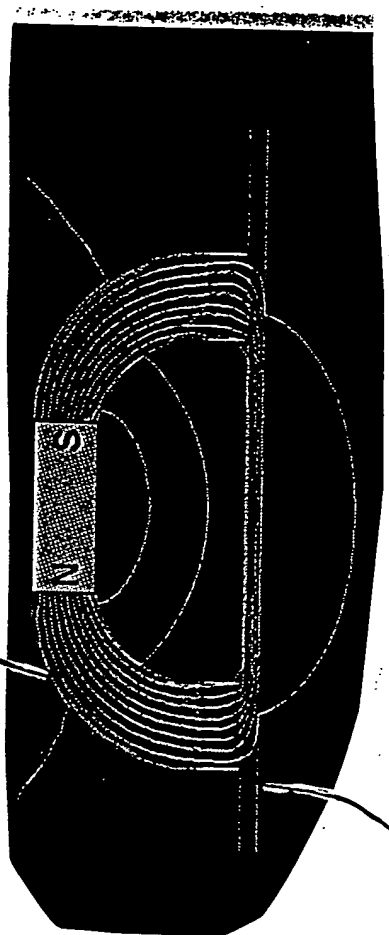


FIG. 30G

FIG. 30H

OFF THE SHEET

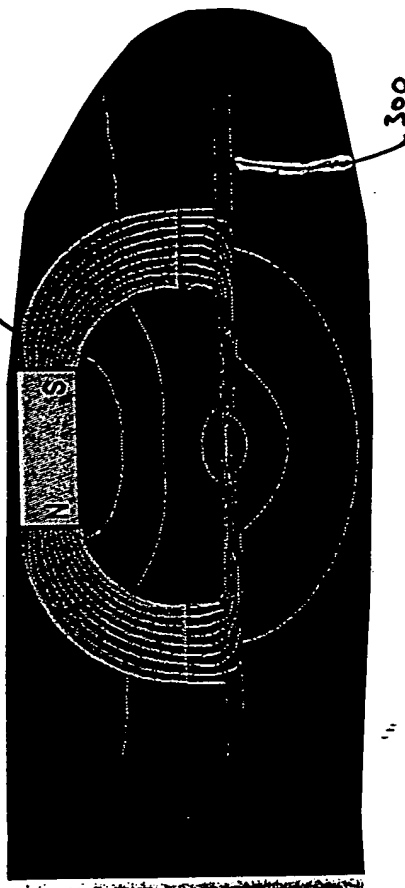
298



300

FIG. 30I

298



300

FIG. 30J

007110-1324560

13

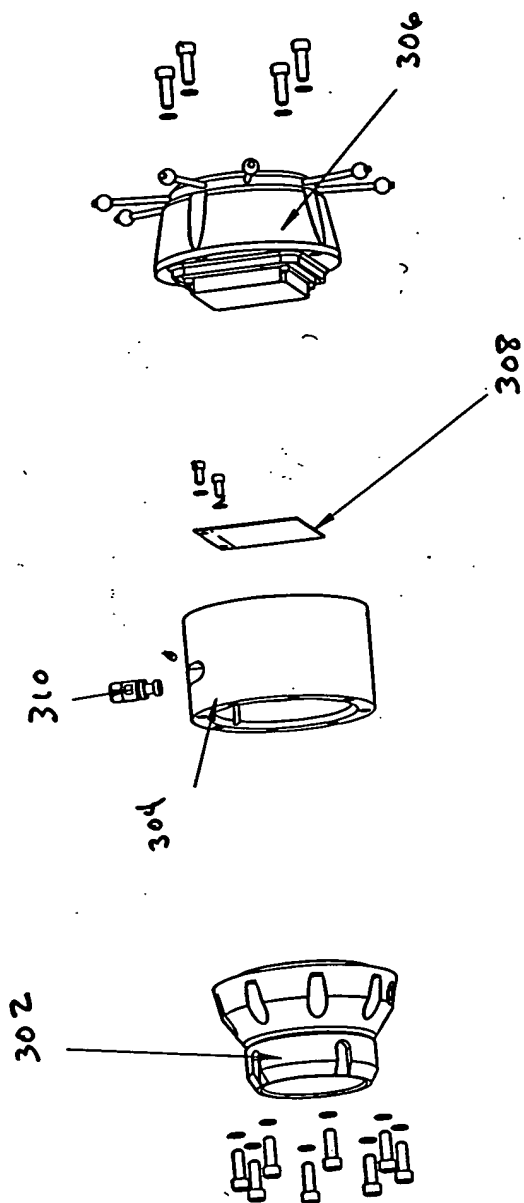


FIG. 30K

FIG. 30Q

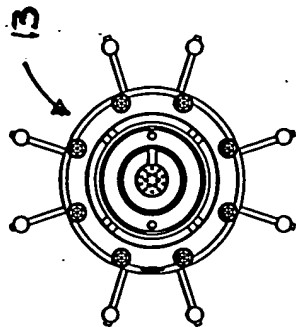
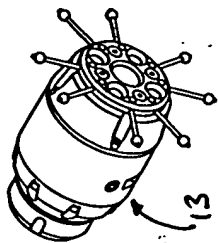


FIG. 30N

FIG. 30L

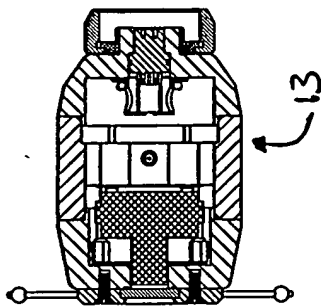
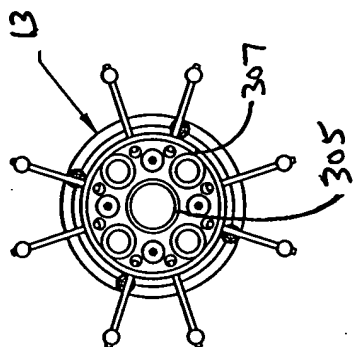


FIG. 30M



13

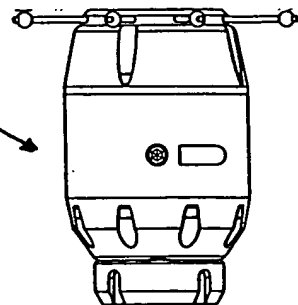
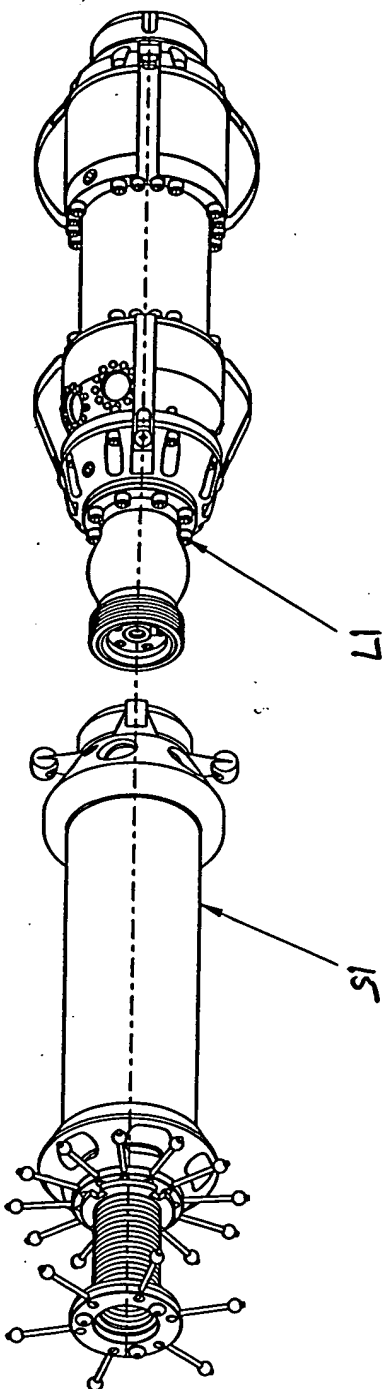


FIG. 30P

00442284 044100

FIG. 30R



18

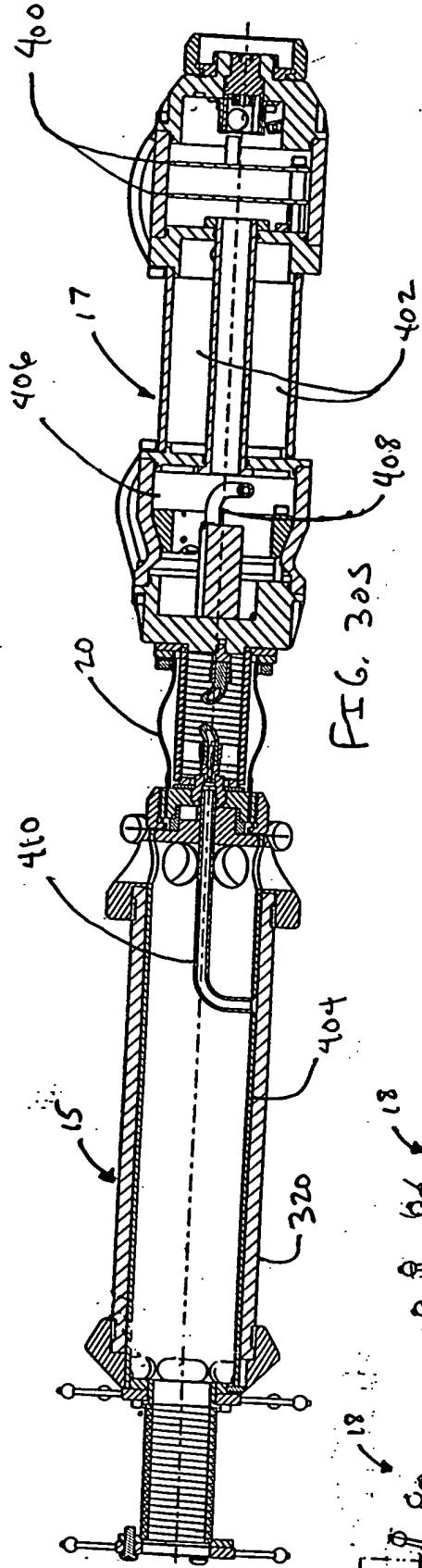


FIG. 30S

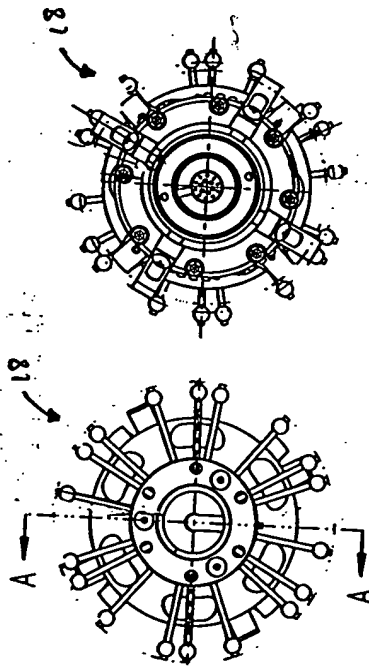


FIG. 30T

FIG. 30U

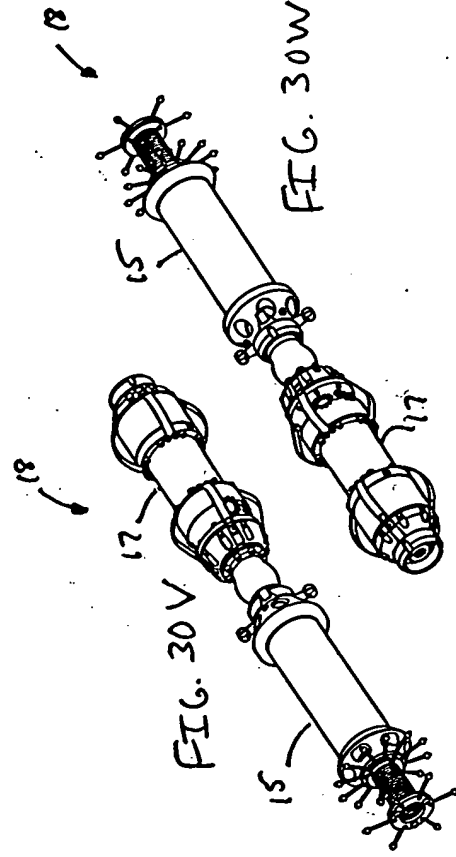


FIG. 30V

FIG. 30W



290

FIG. 30X

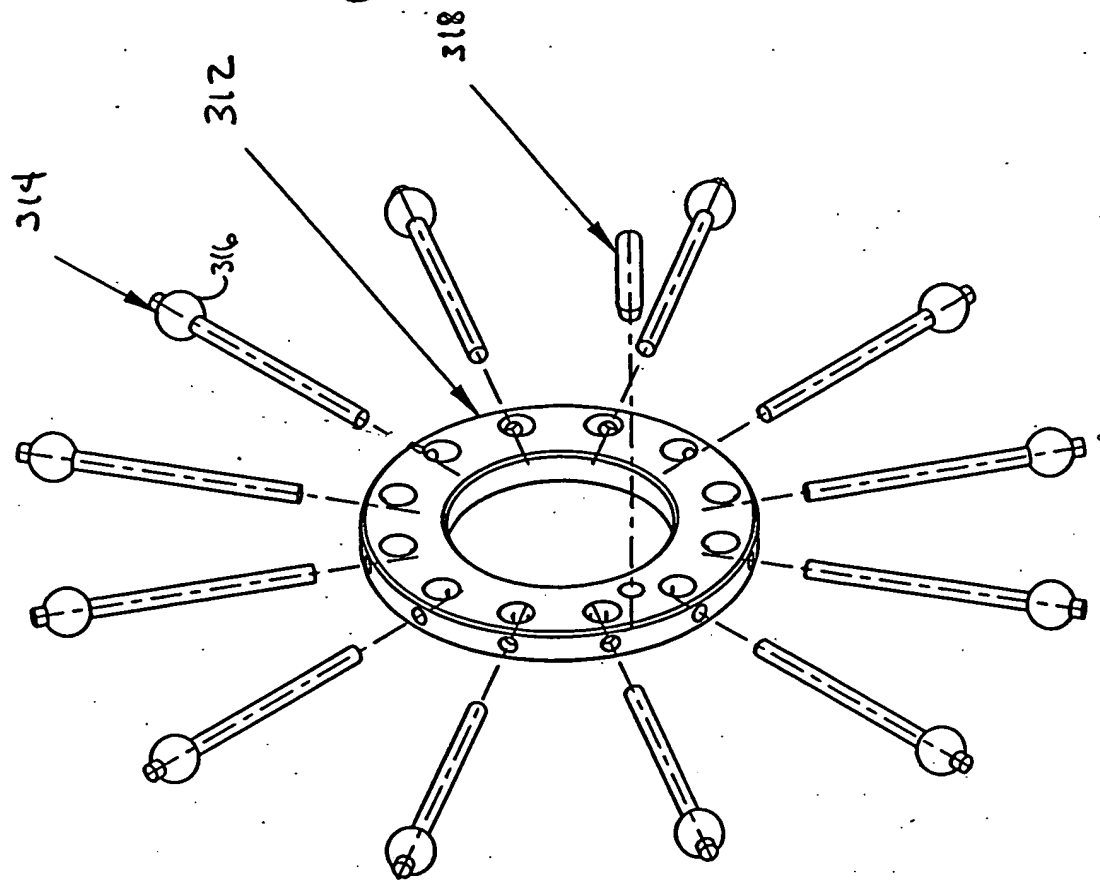


FIG. 30X

290

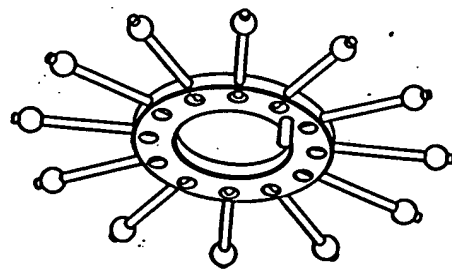


FIG. 30Z

290

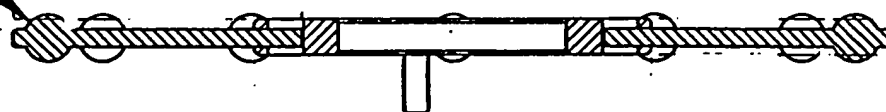


FIG. 30Y

FIG. 30AA

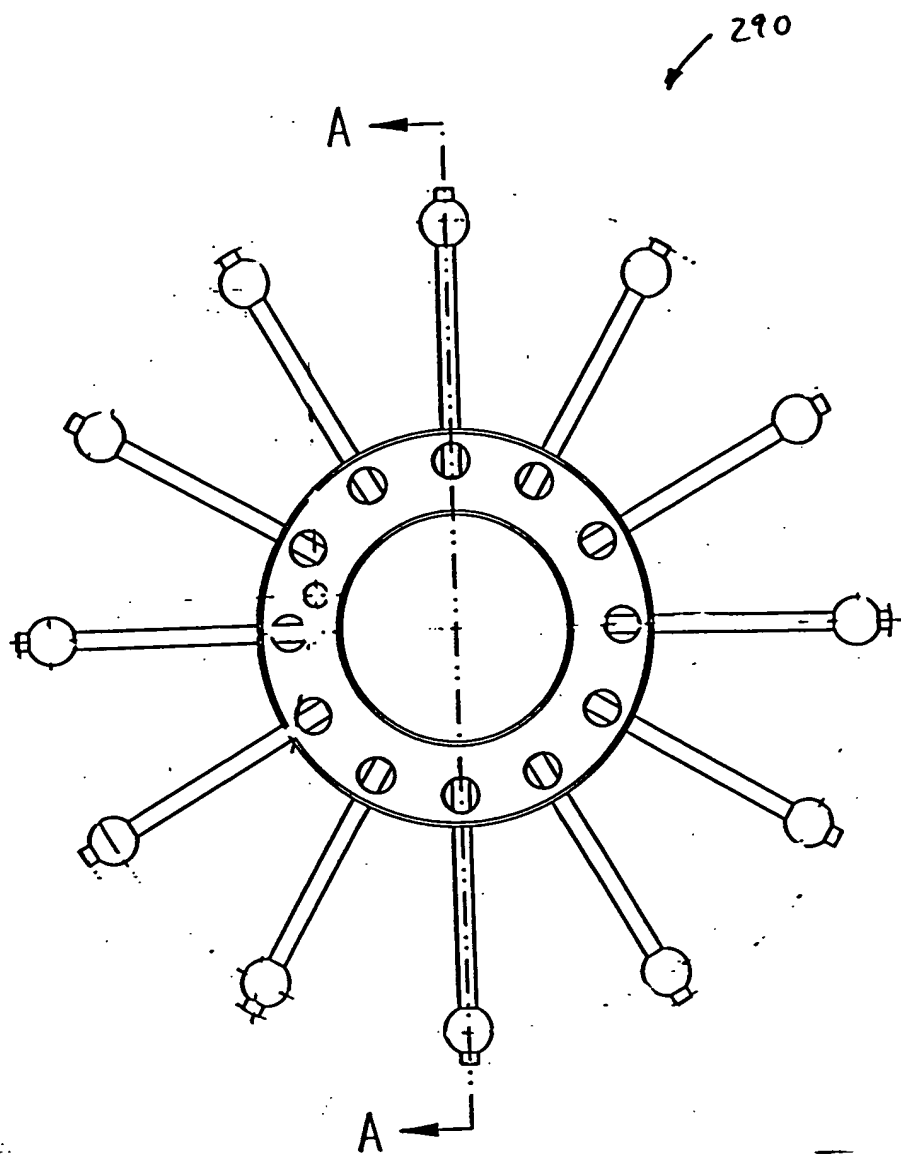


FIG. 30AA

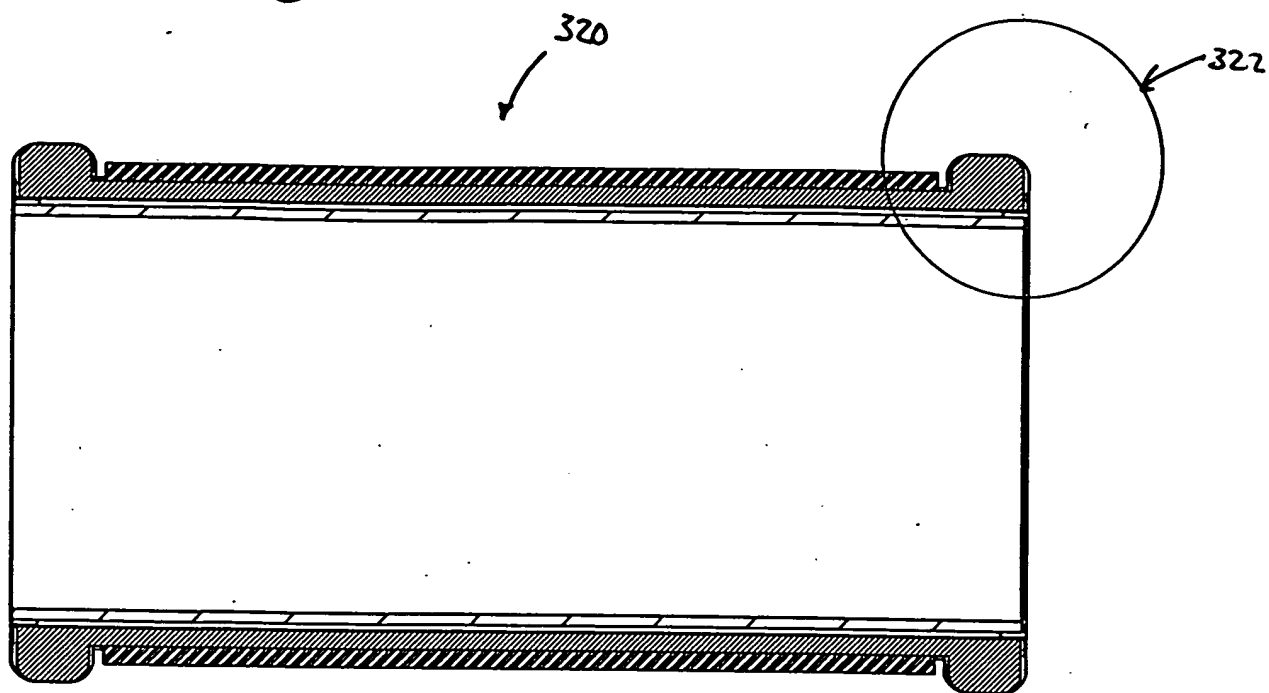


FIG. 30AB

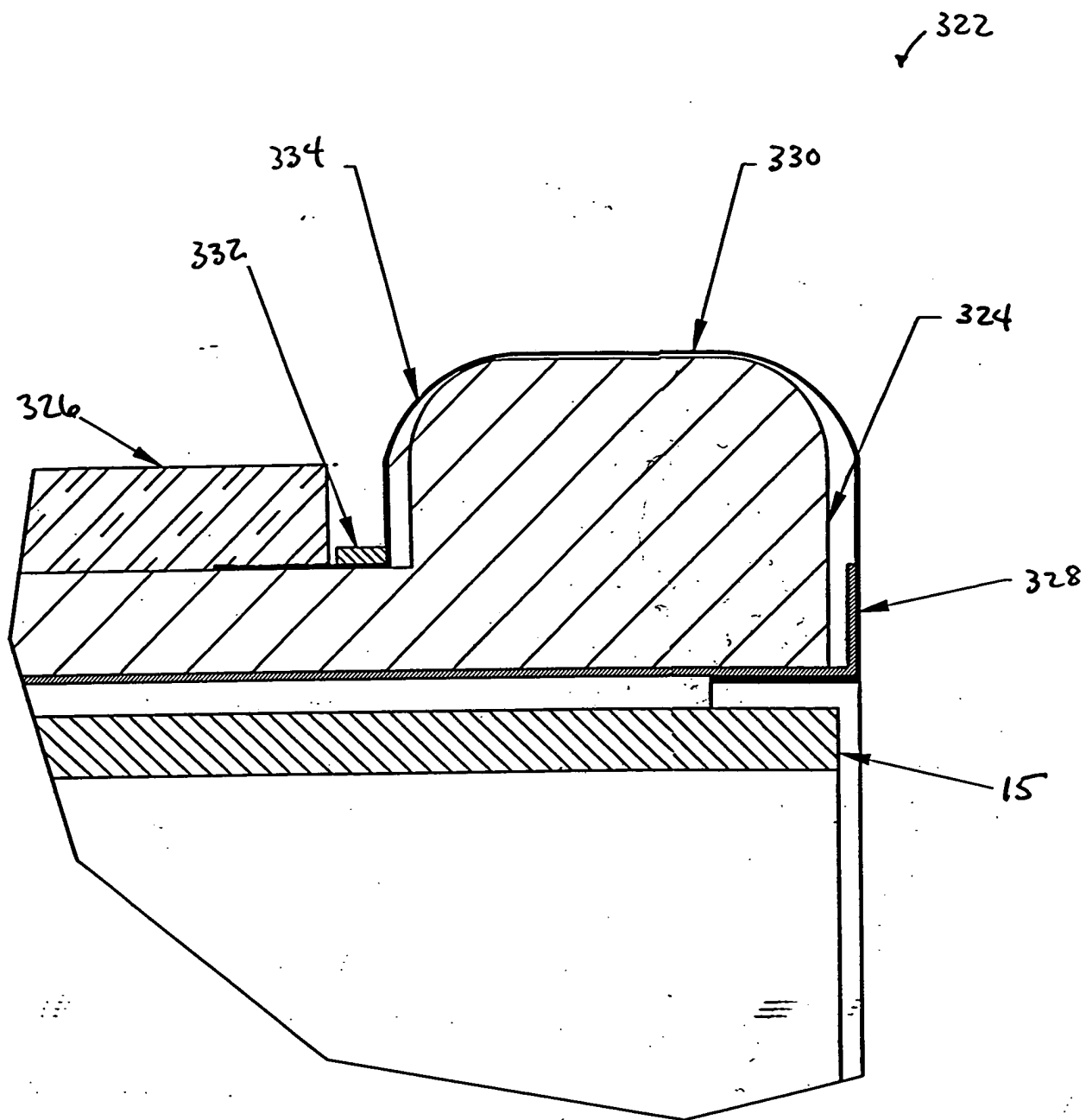


FIG. 30AC

OUTER REGION 38

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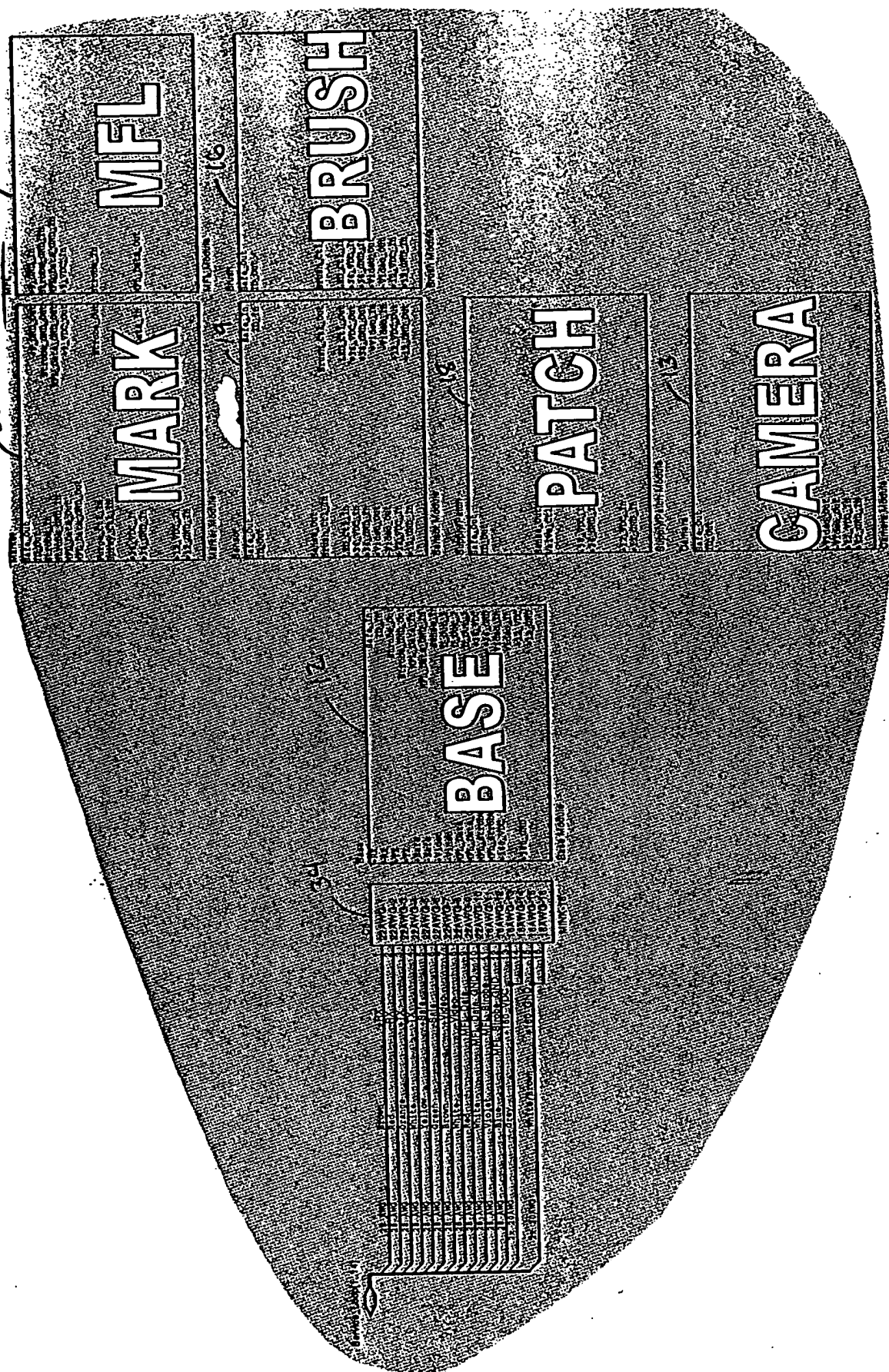


FIG. 30 AD

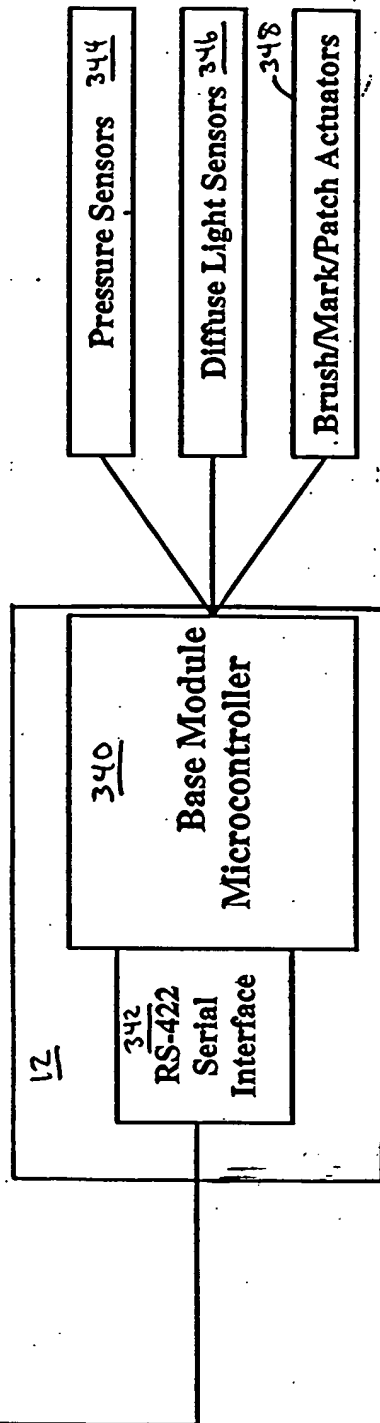
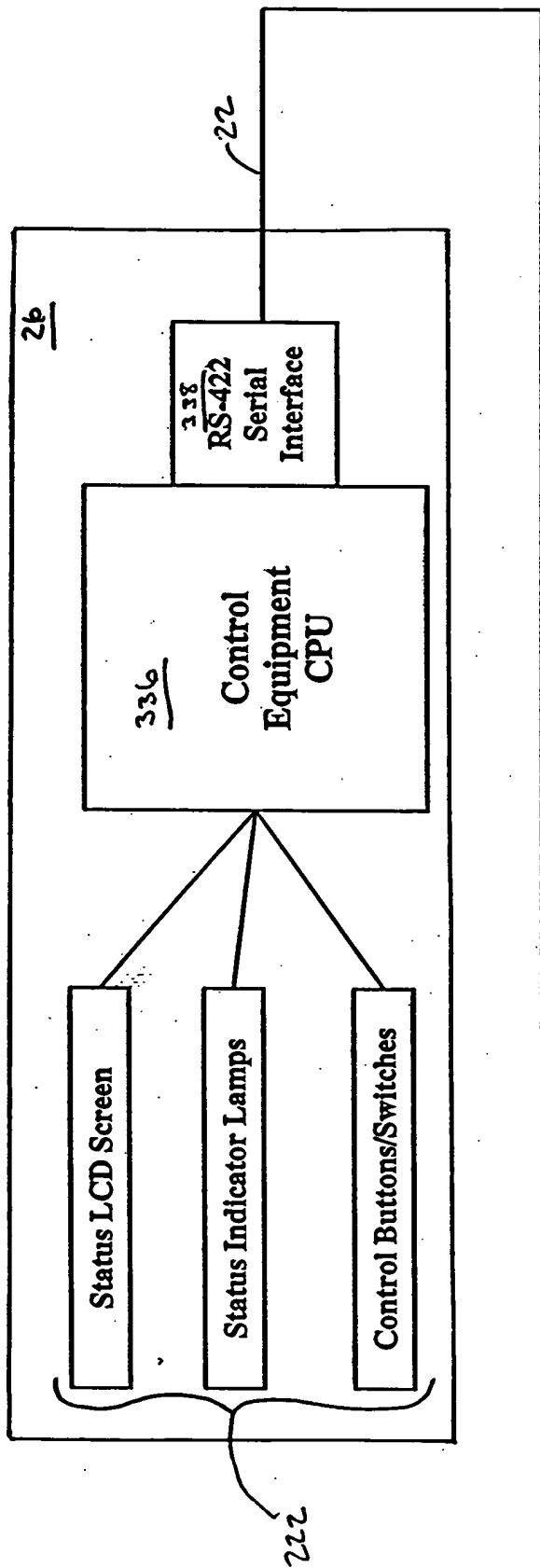


FIG. 30AE

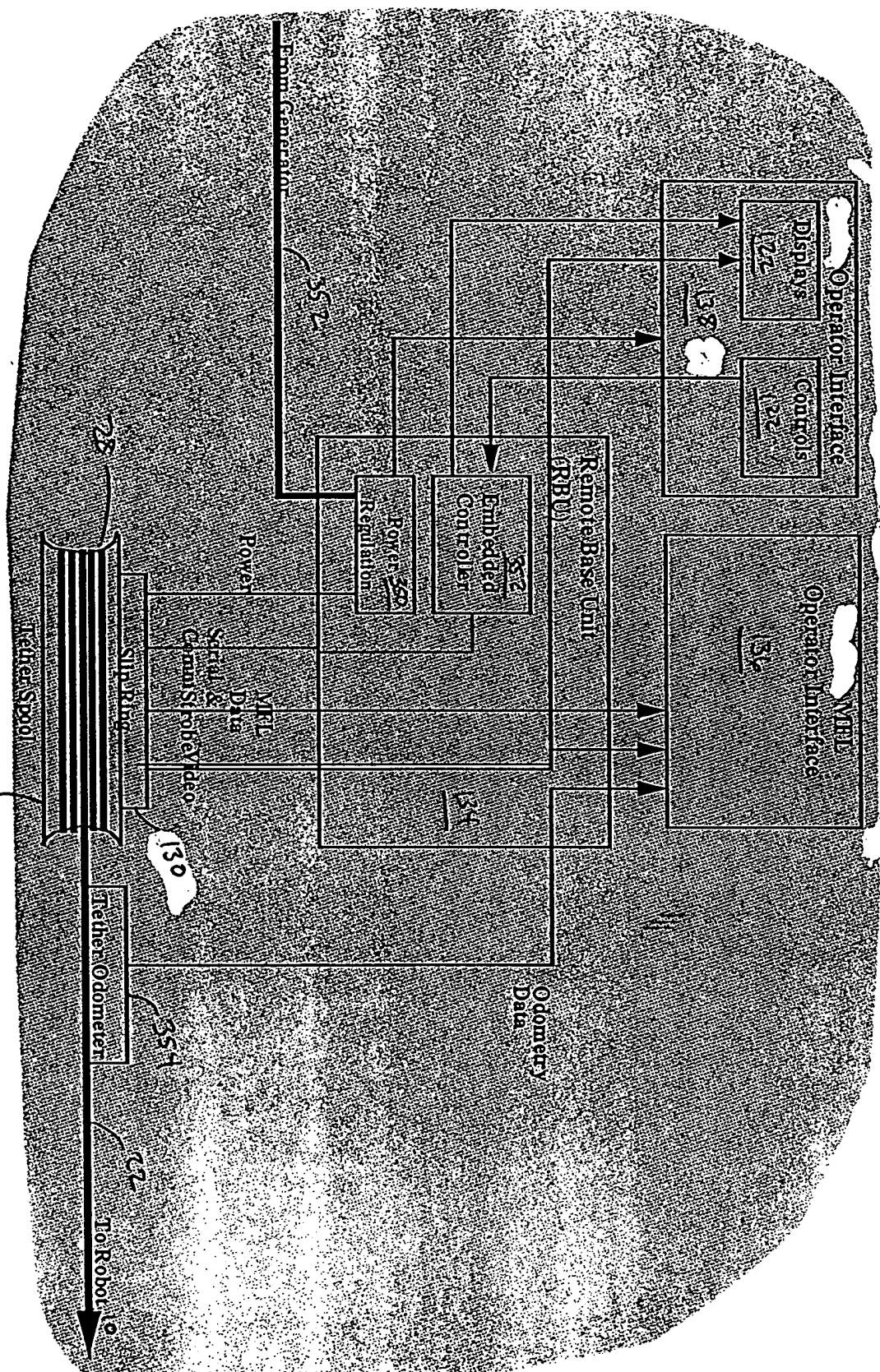


FIG. 31A

09547284-044400

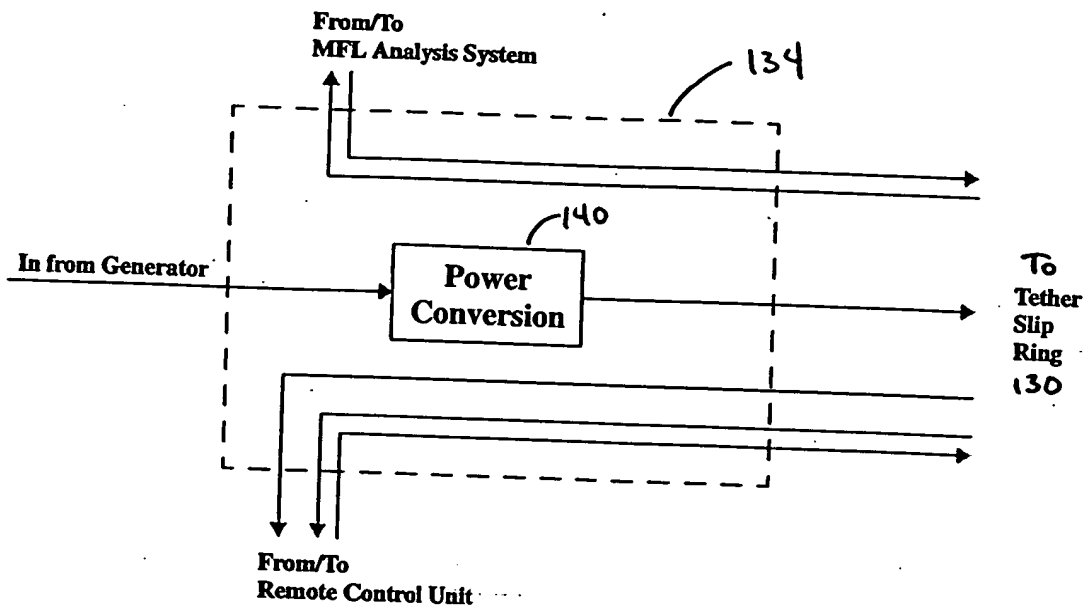


FIG. 32

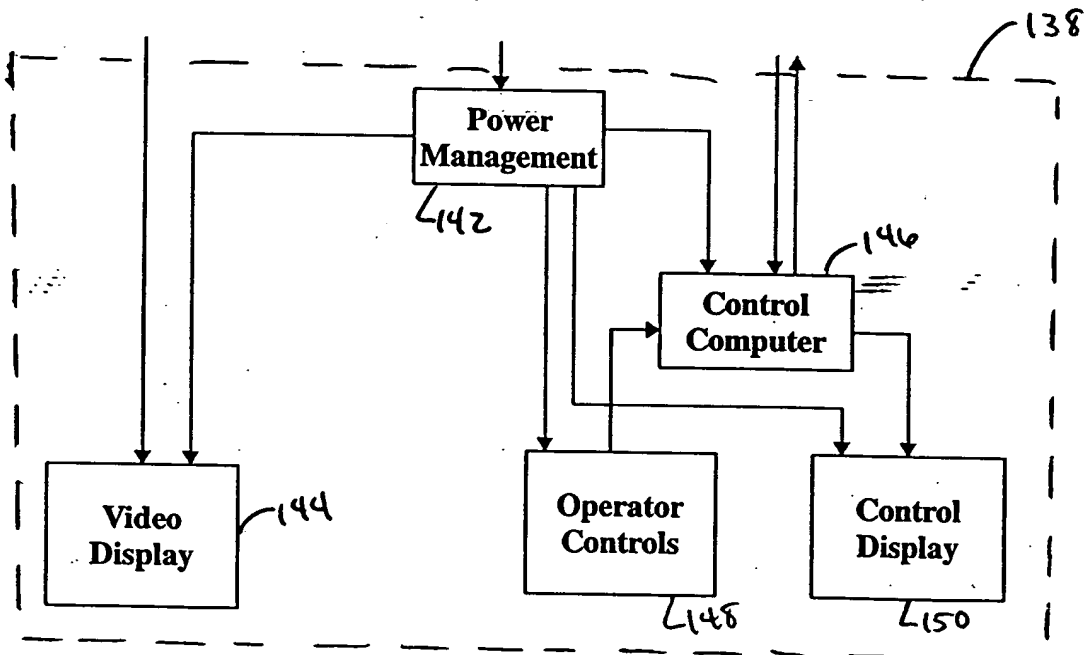


FIG. 33



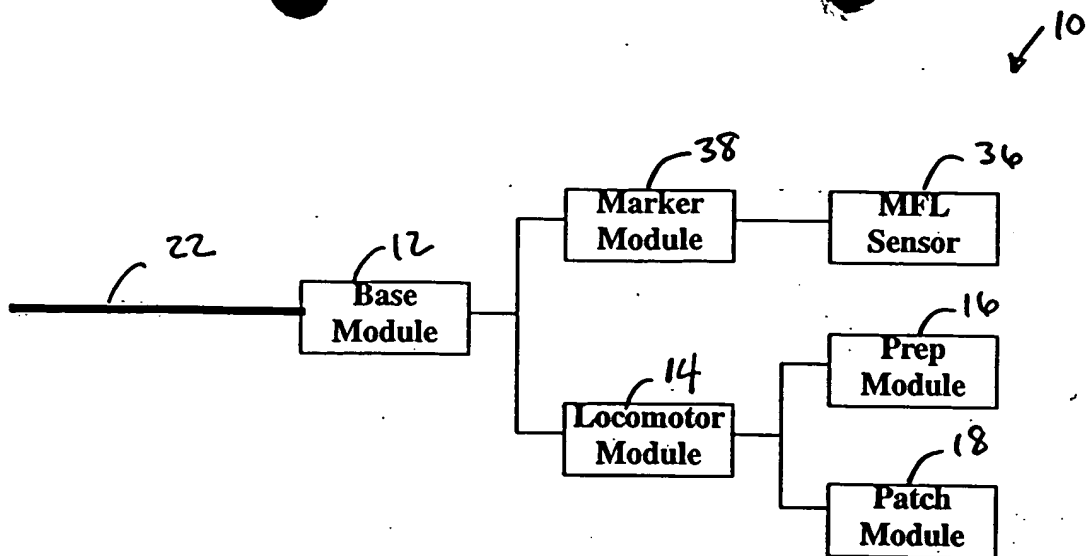


FIG. 34

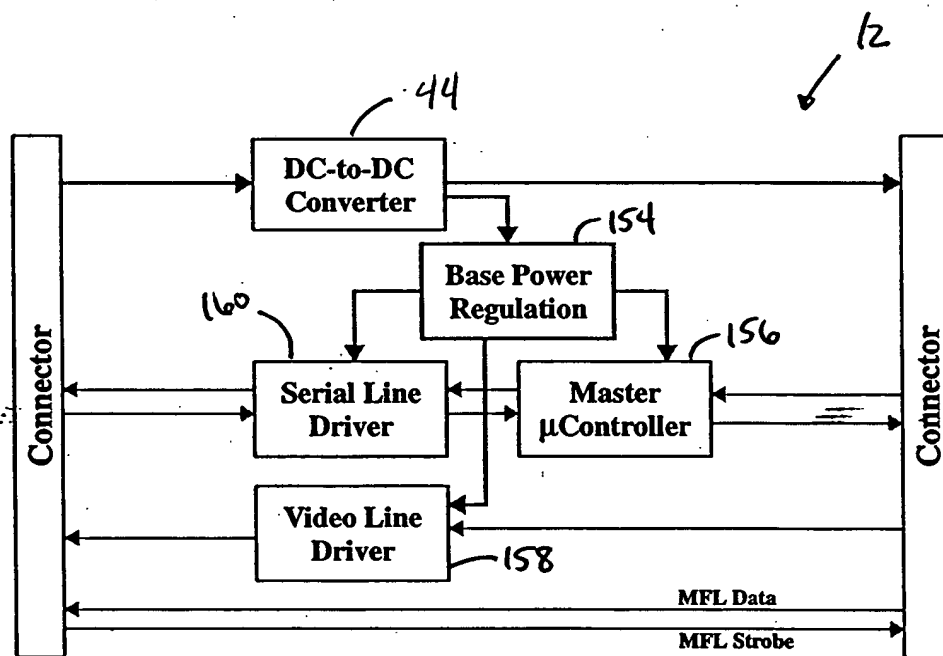


FIG. 35

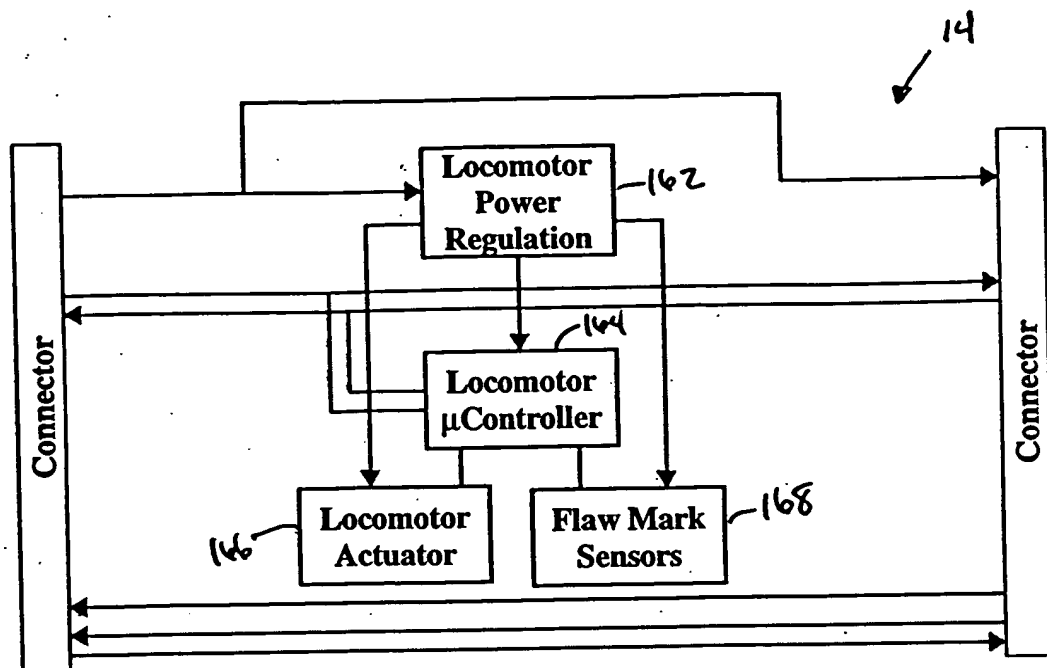


FIG. 36

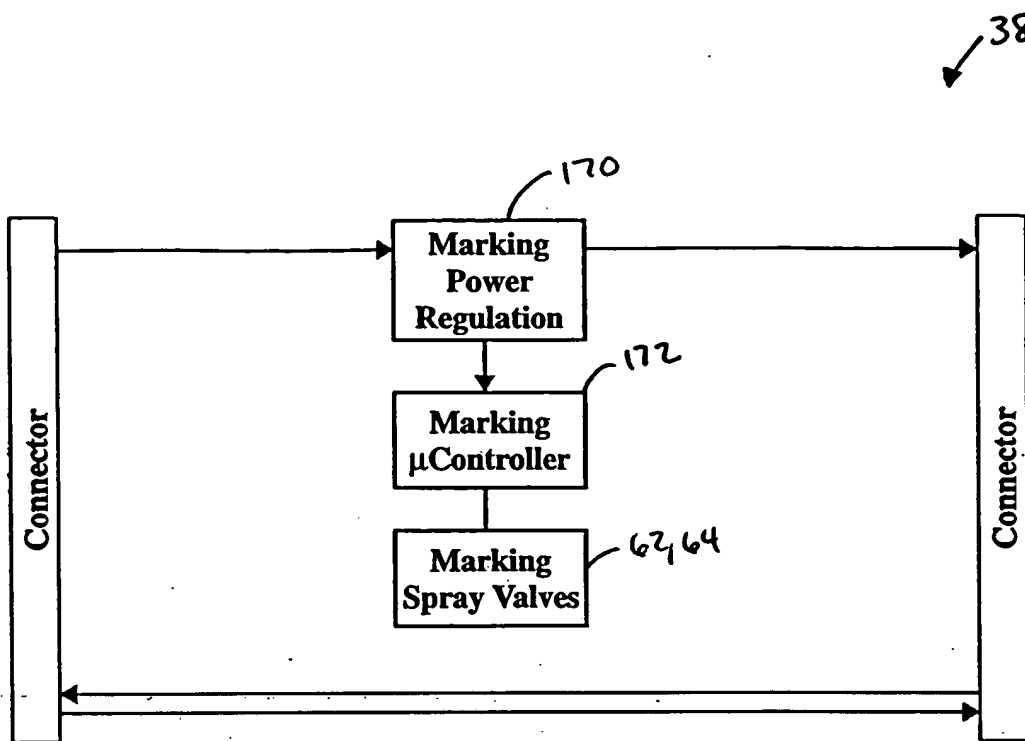


FIG. 37

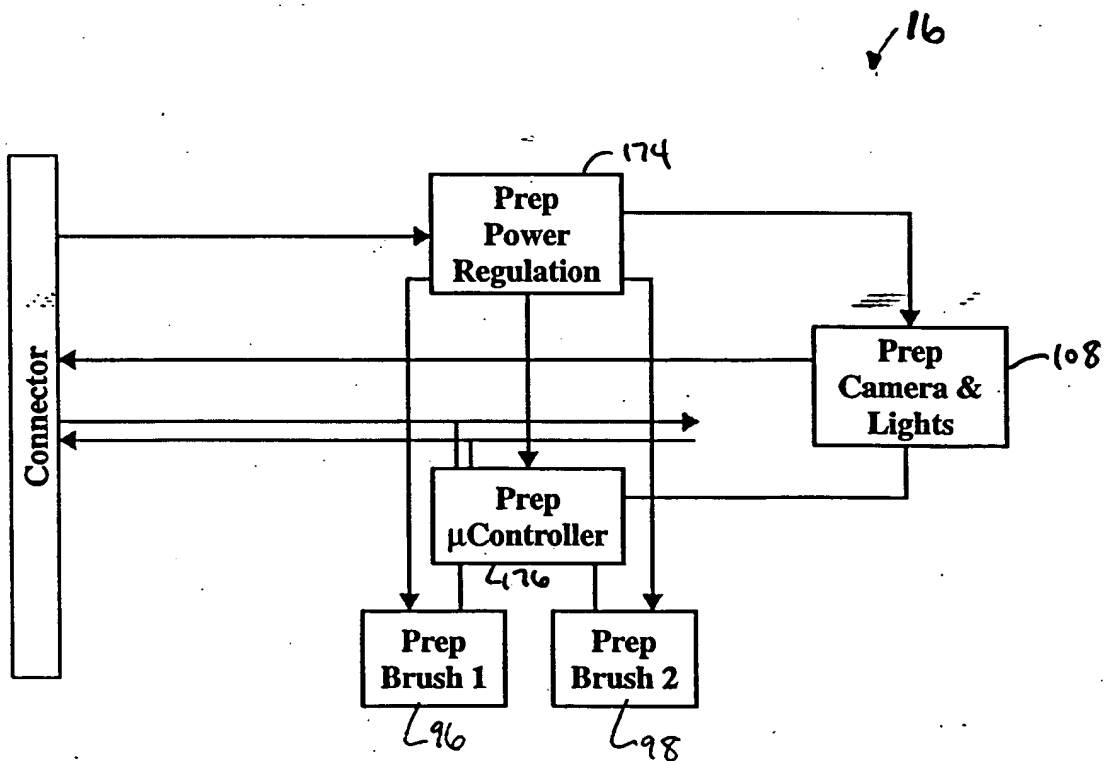


FIG. 38

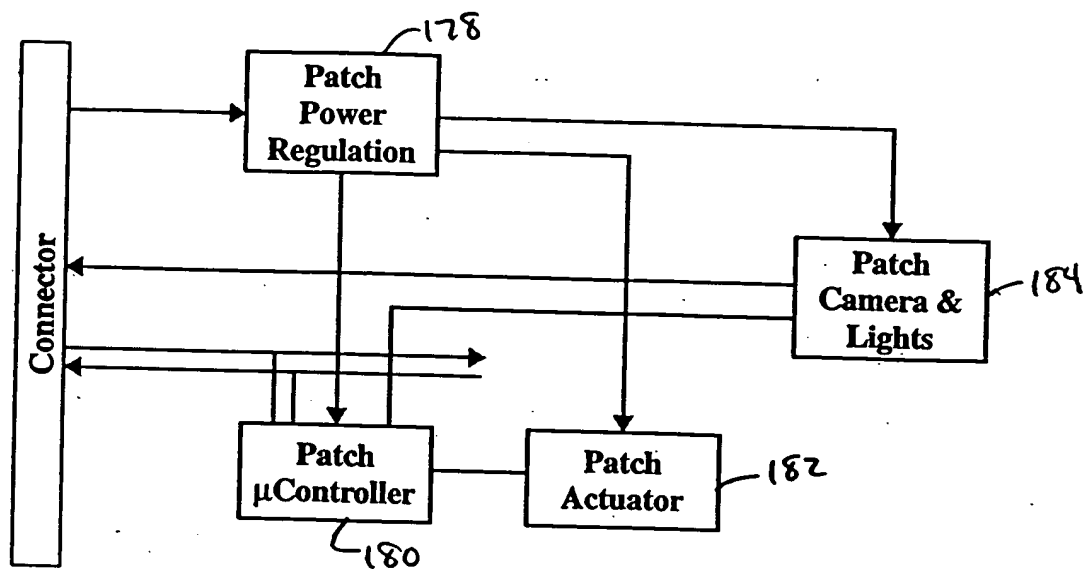


FIG. 39

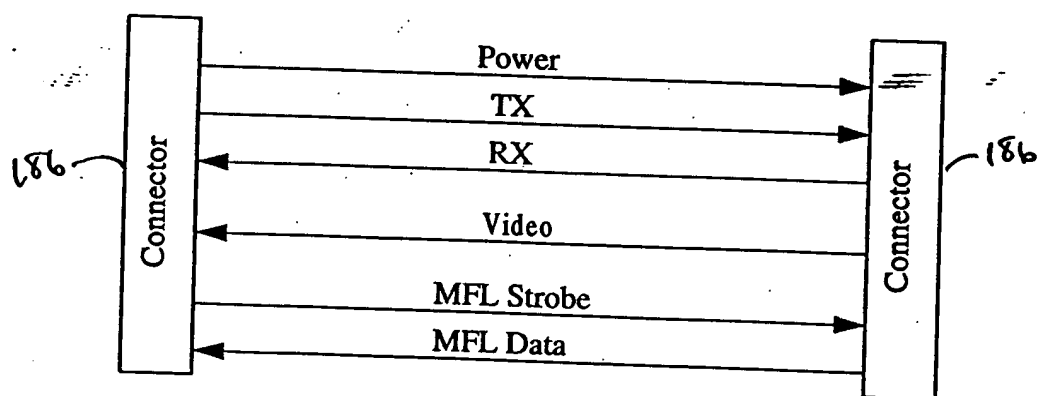


FIG. 40

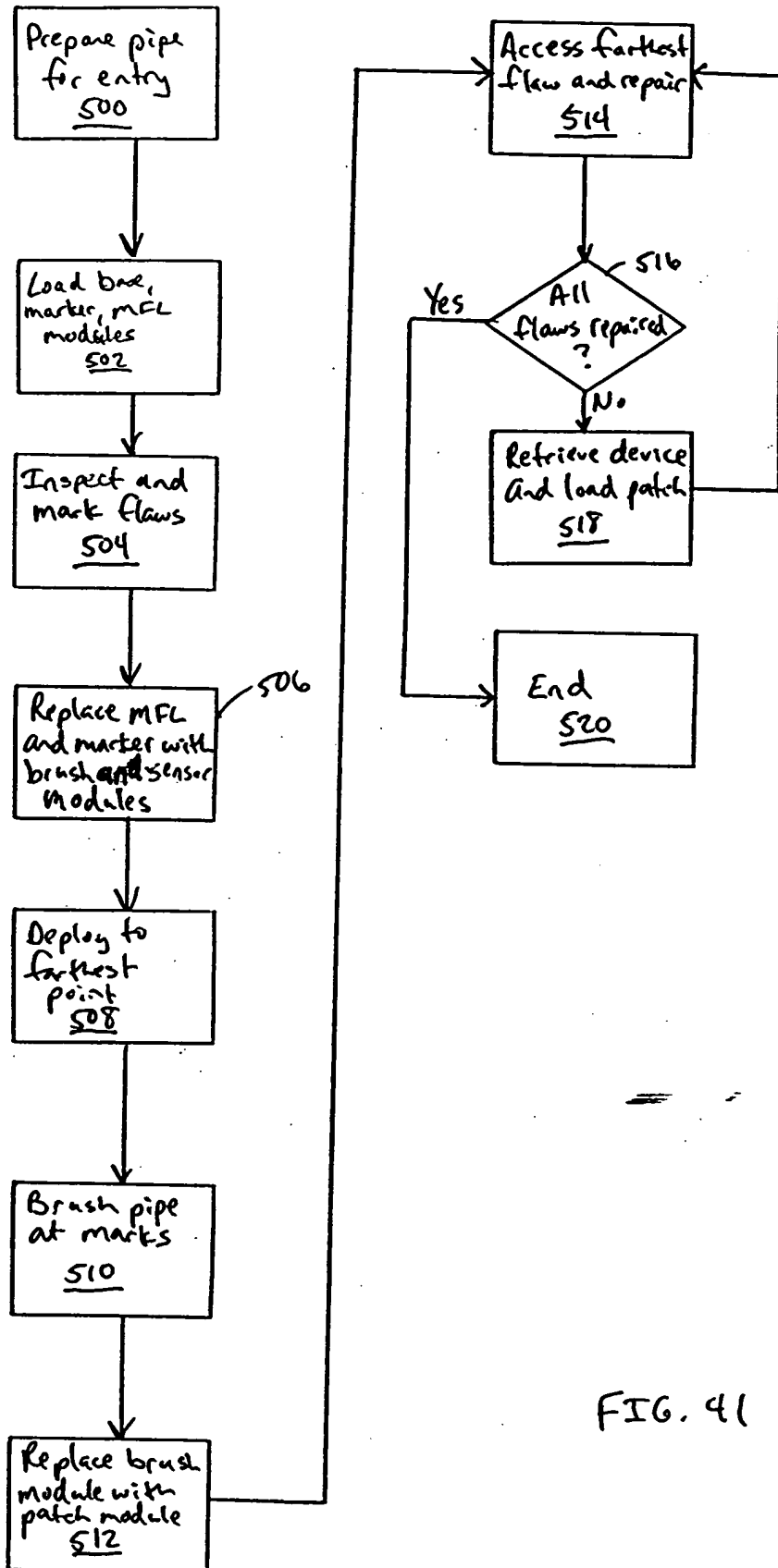


FIG. 41

FIG. 42

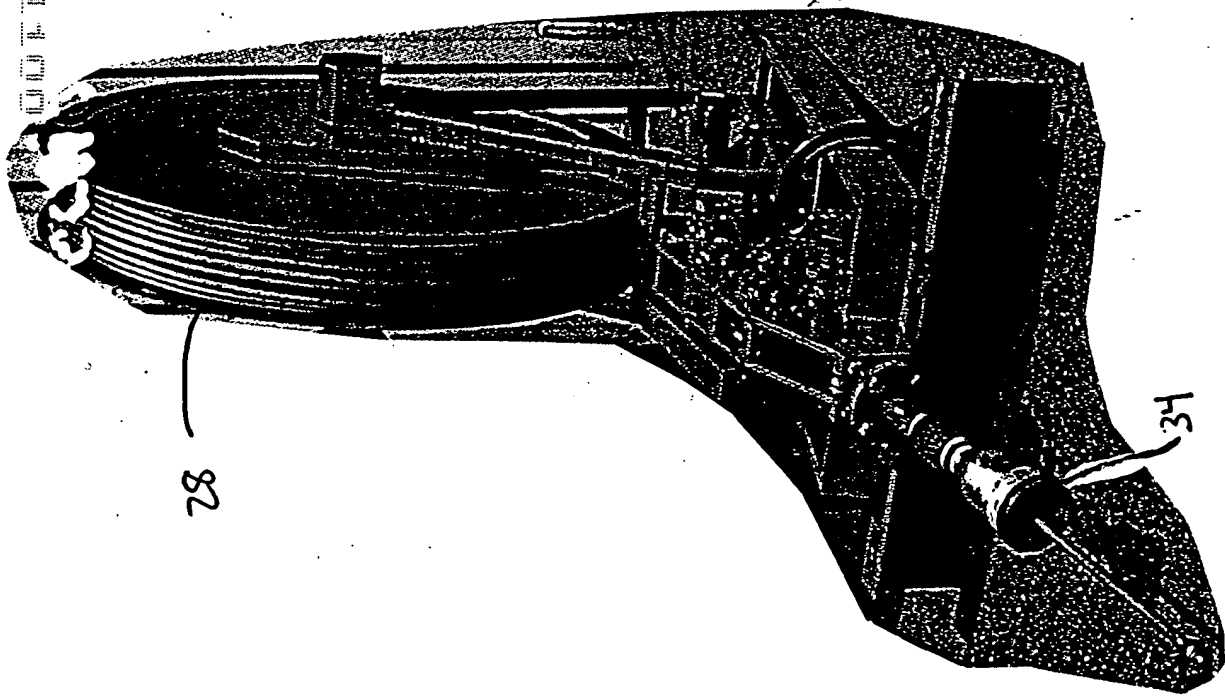


FIG. 42

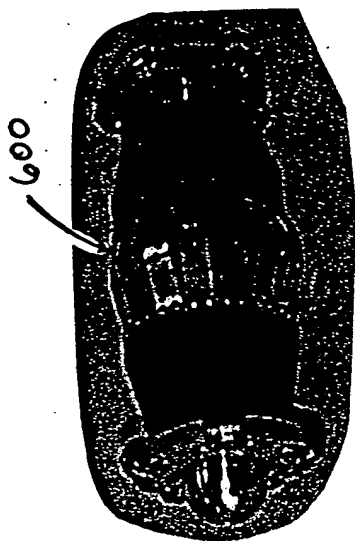


FIG. 43